



10075869 .000302

1/66

4

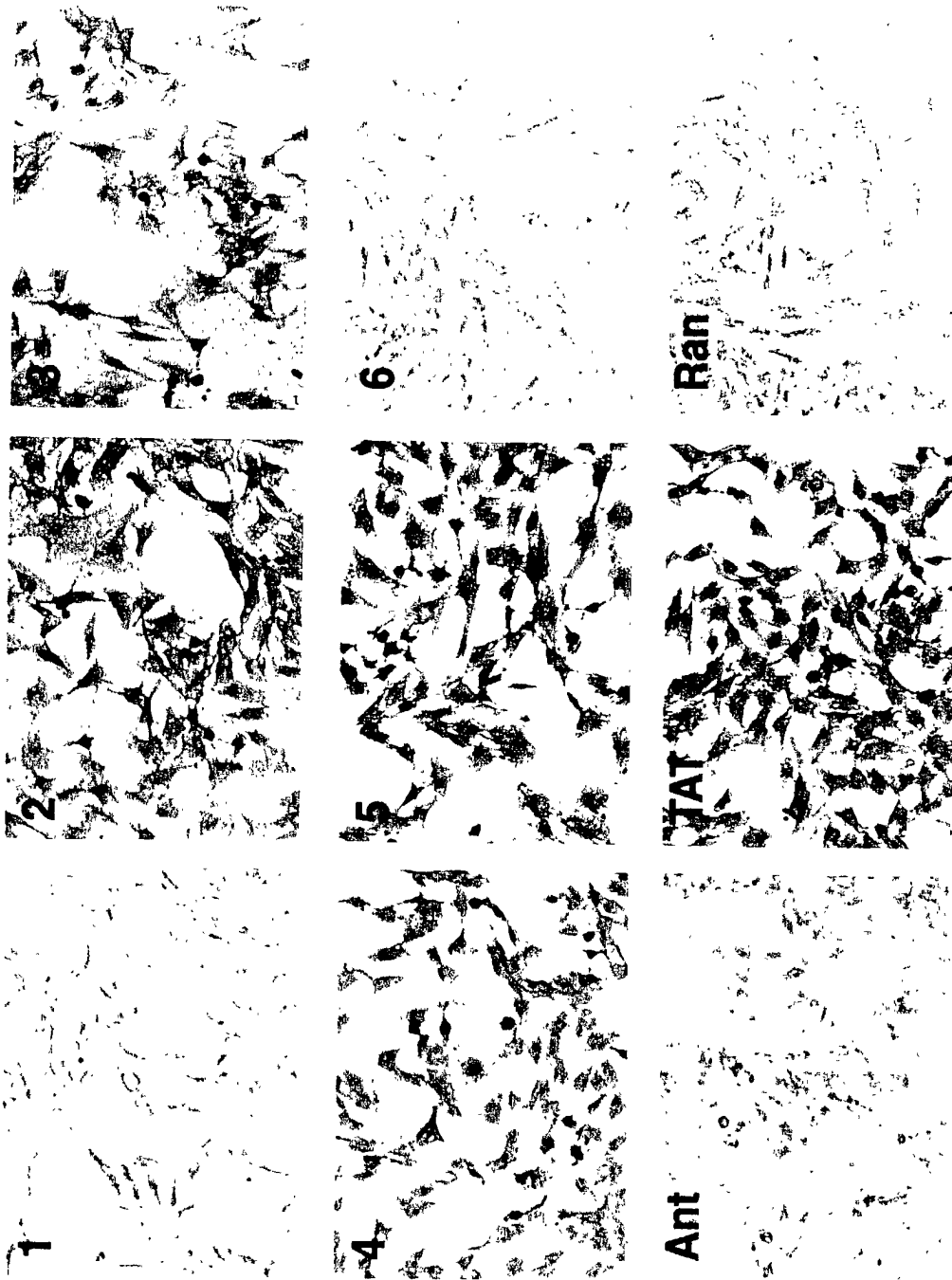


FIG.1A



10075669 .090302

2/66

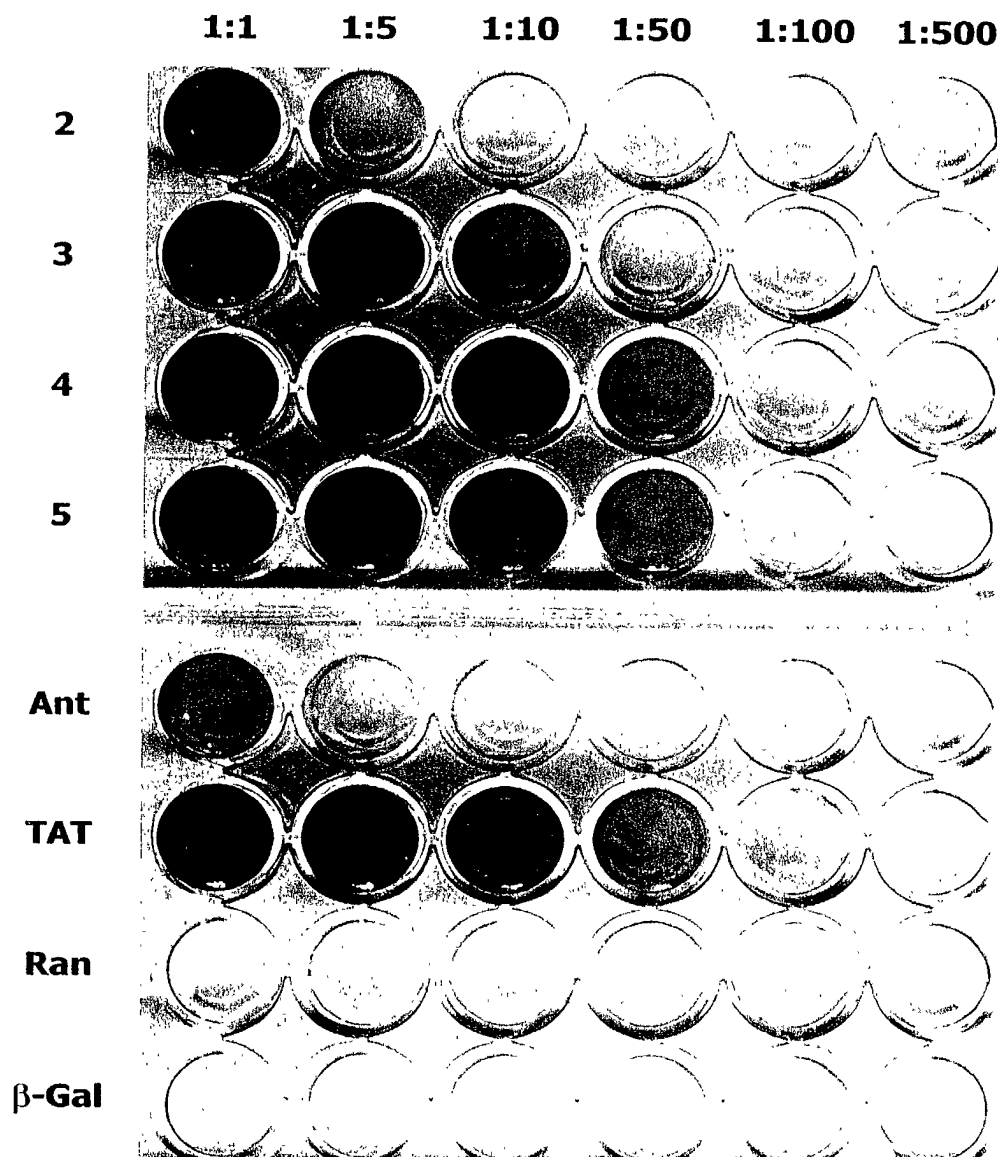


FIG.1B



FIG.2B

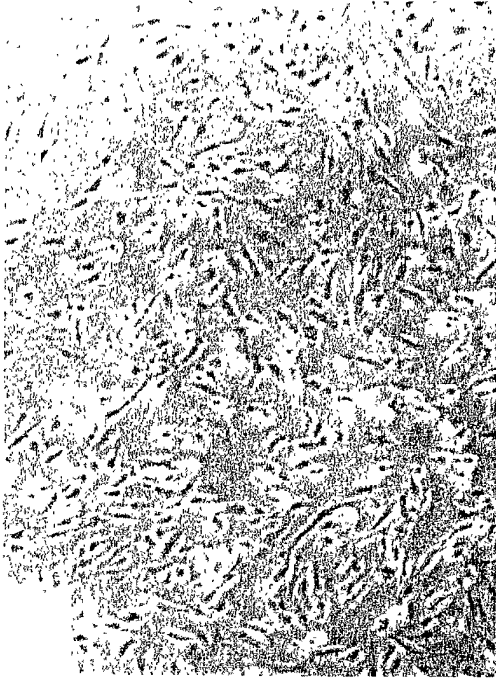


FIG.2D



FIG.2A

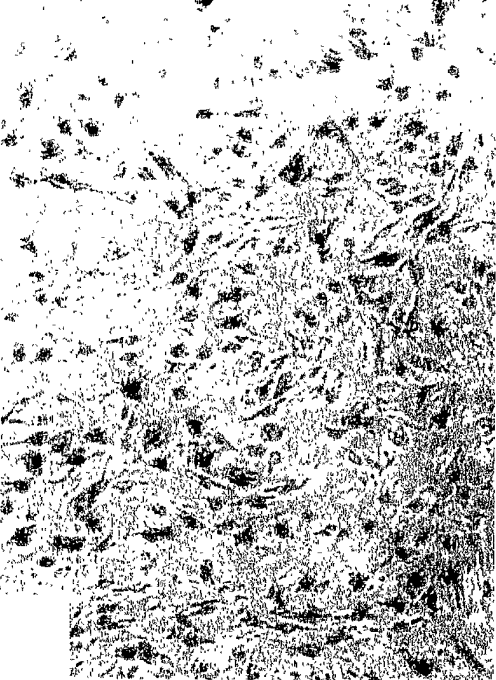
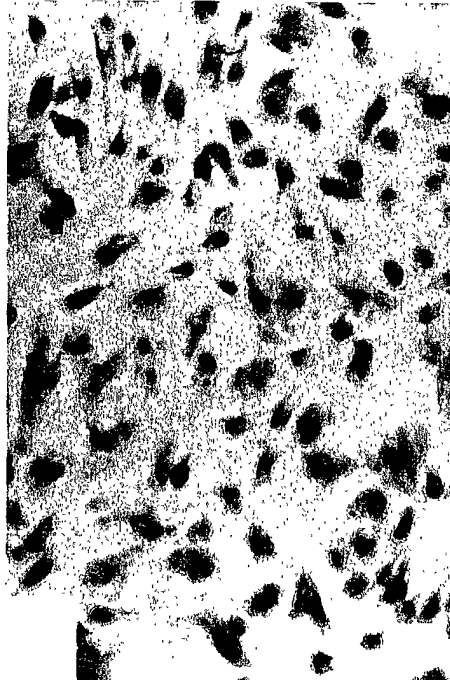
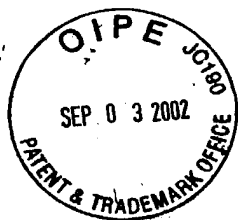


FIG.2C





10075269.000302

4/66

FIG.3B

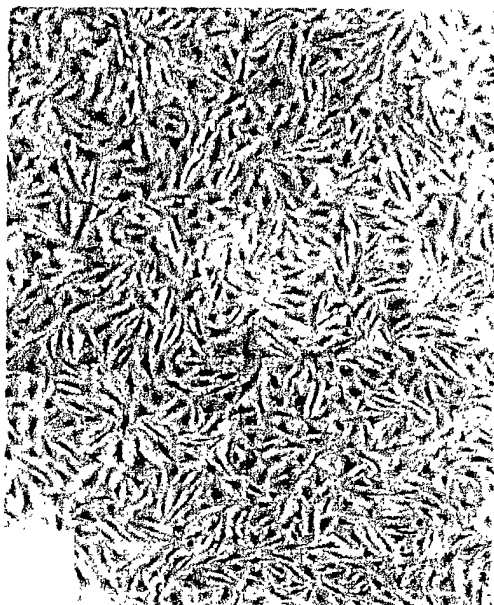


FIG.3D

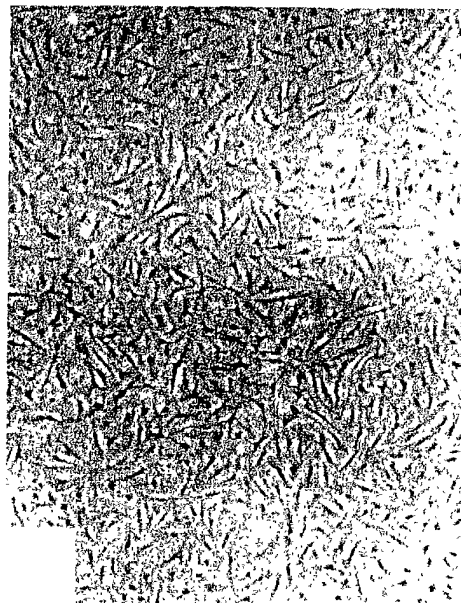


FIG.3A

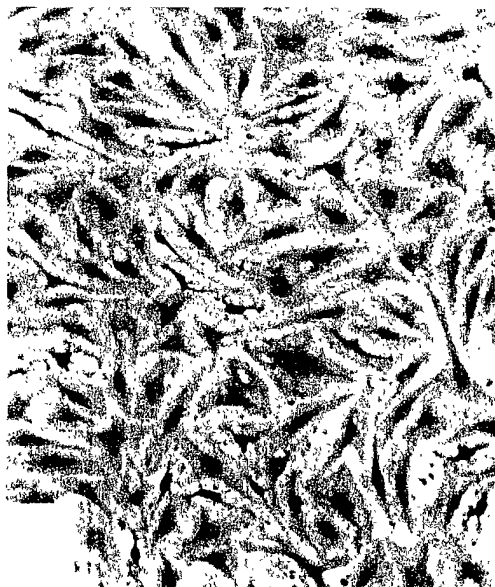


FIG.3C



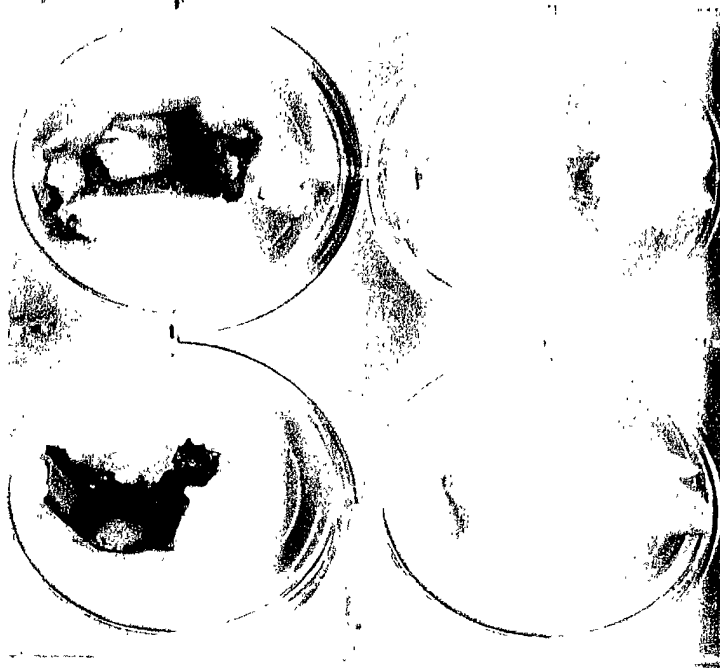


10075869 . 090302

5/66

AdLacZ

5



ψ5

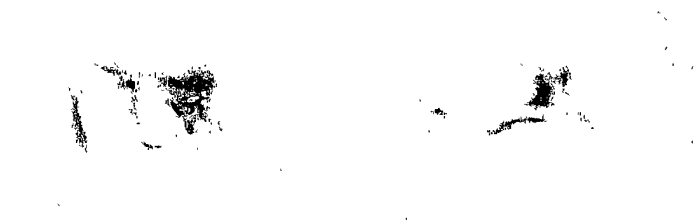
Saline

4



Ran

3



Ant

2



TAT

FIG.4A



10075869 . 090302

6/66



FIG.4B

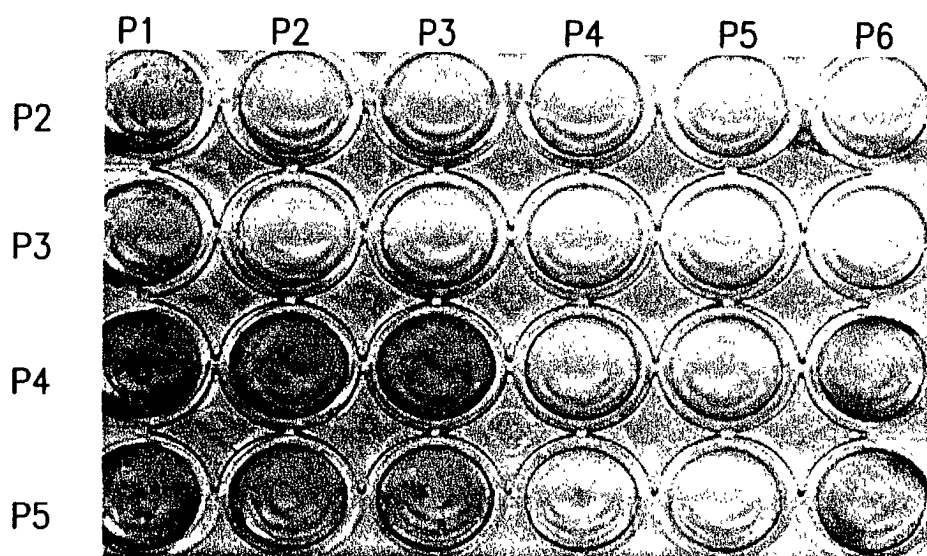


FIG.5



10075665 . 090302

8/66

FIG. 6A



FIG. 6B

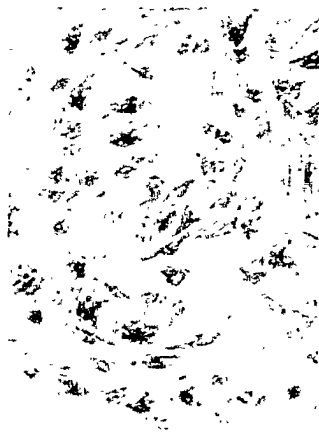


FIG. 6C

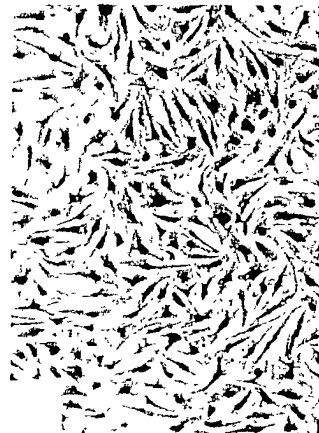


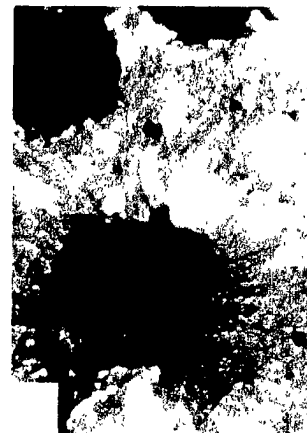
FIG. 6D



FIG. 6E



FIG. 6F





10075869 . 000302

9/66



FIG. 6I

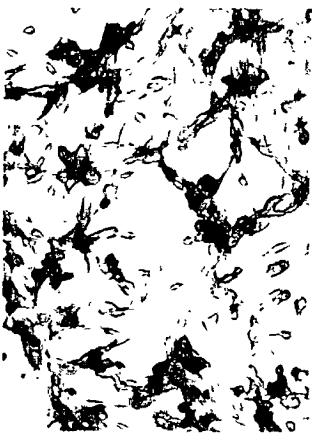


FIG. 6H



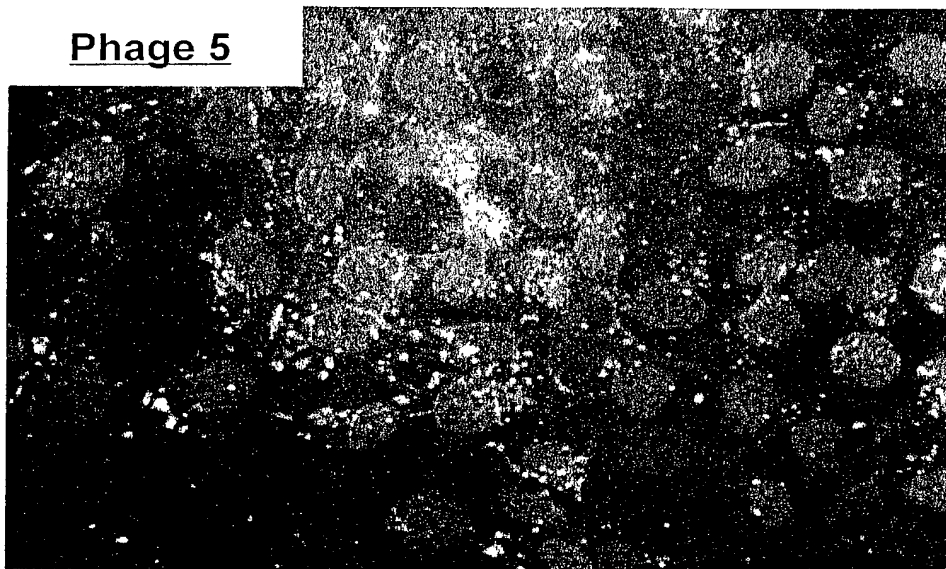
FIG. 6G



10075869, 000307

10/66

Phage 5



Phage 3

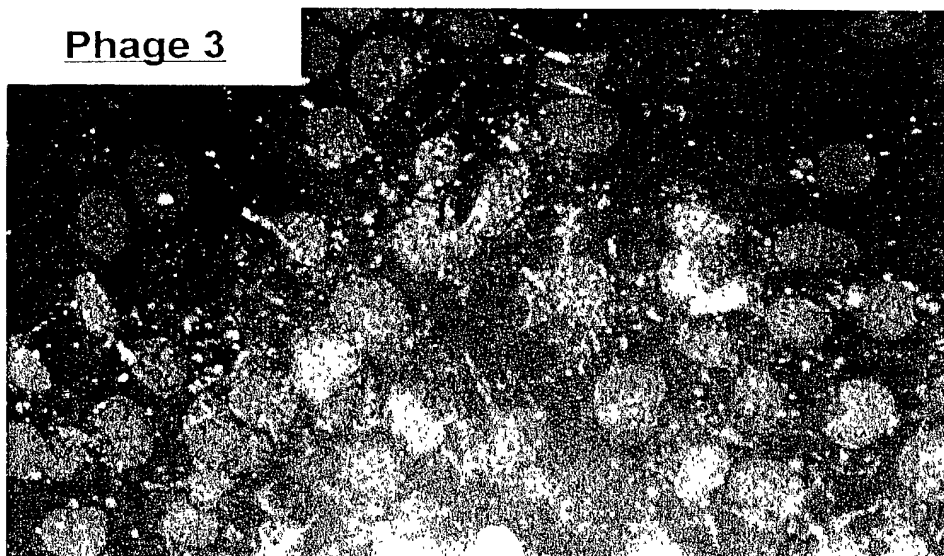
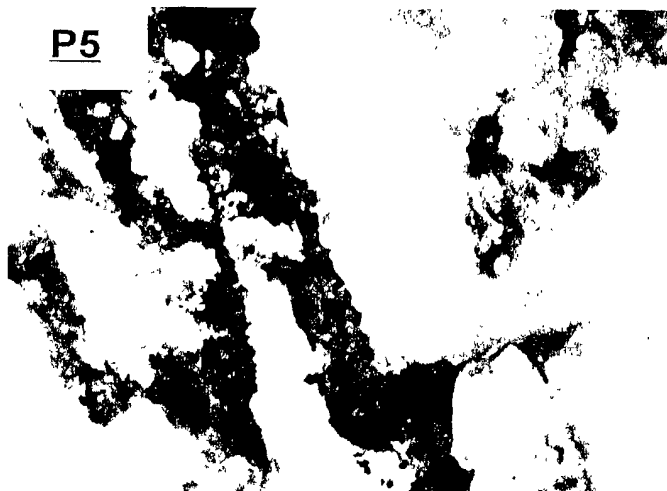


FIG.7

11/66



P5



P3



P.P

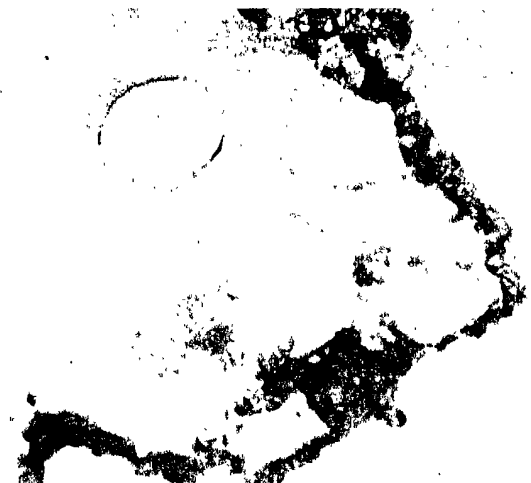


FIG.8

12/66

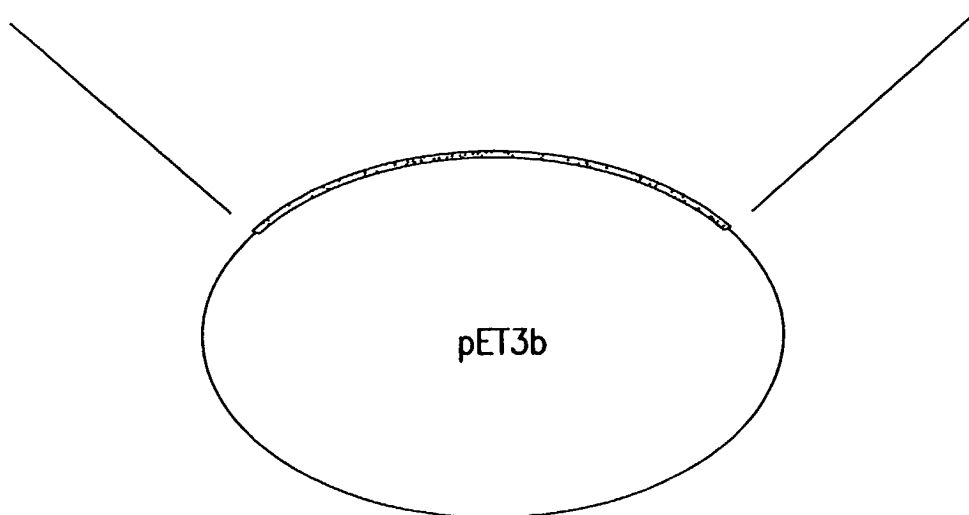
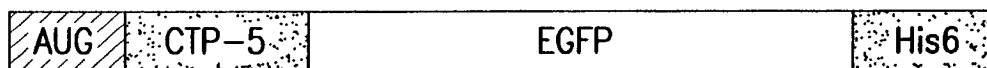


FIG.9A



10075869 . 000302

13/66

FIG.9B



FIG.9D



FIG.9F



FIG.9C

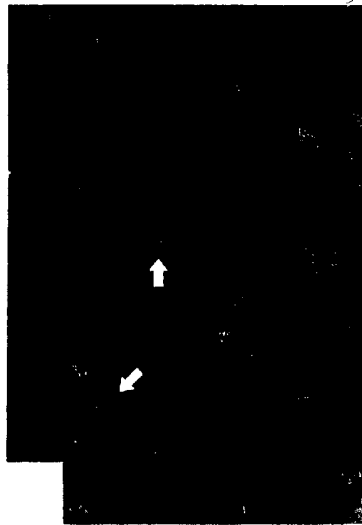
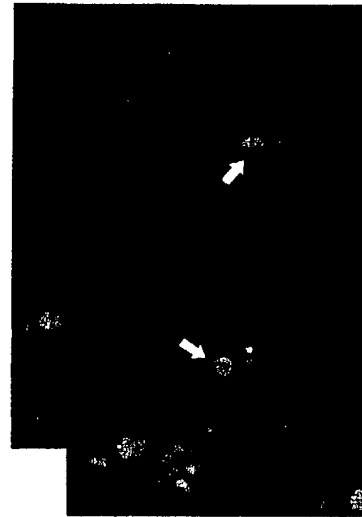


FIG.9E



FIG.9G





14/66

1001755559.00013002

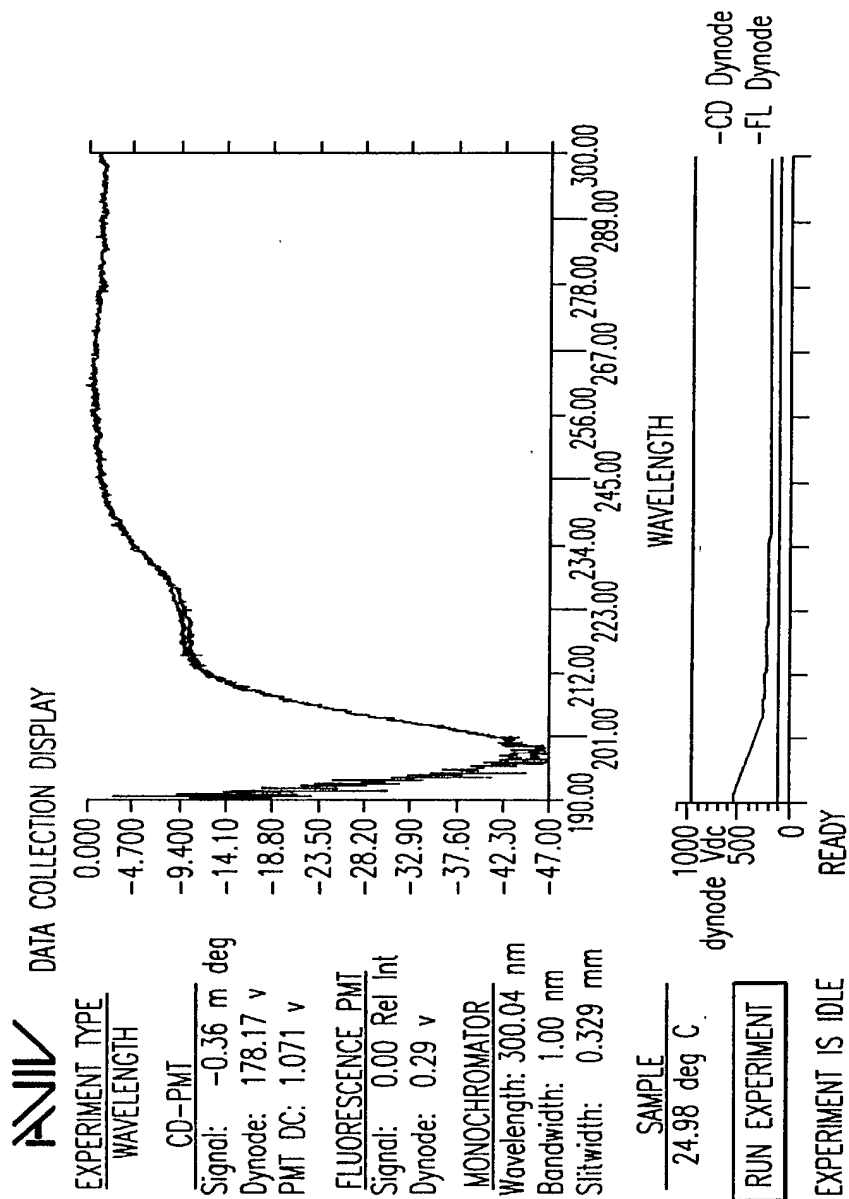


FIG.10A



1.0075865 .000302

15/66

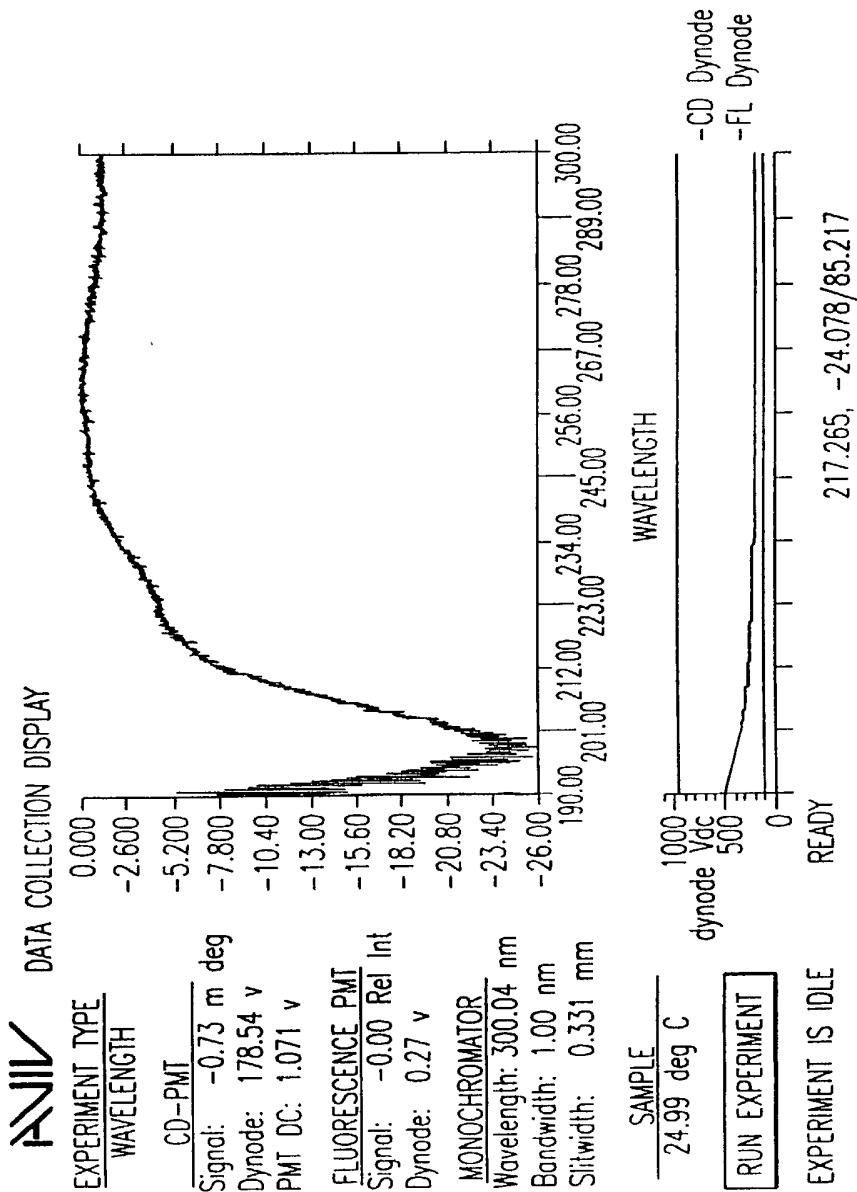


FIG.10B



10075859, 040302

16/66

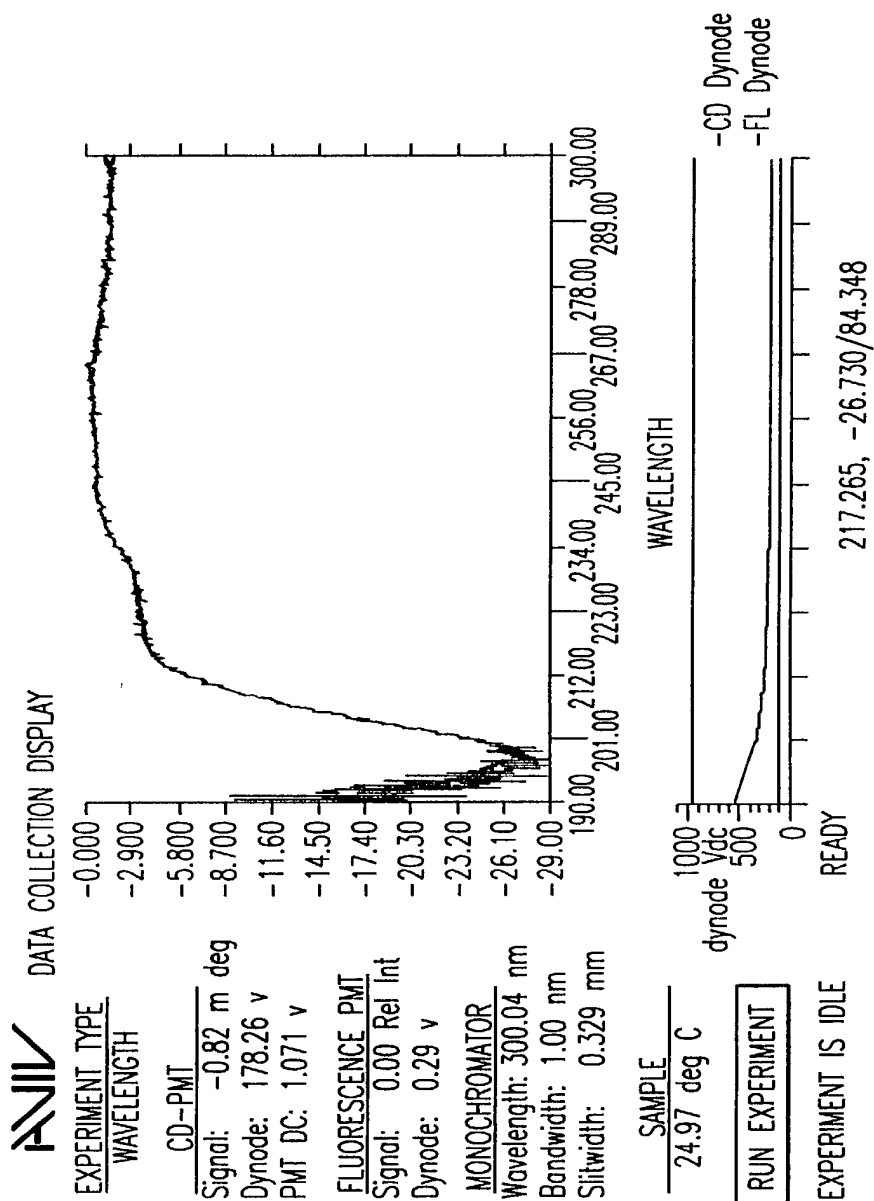


FIG.10C



17/66

1007554, 000000

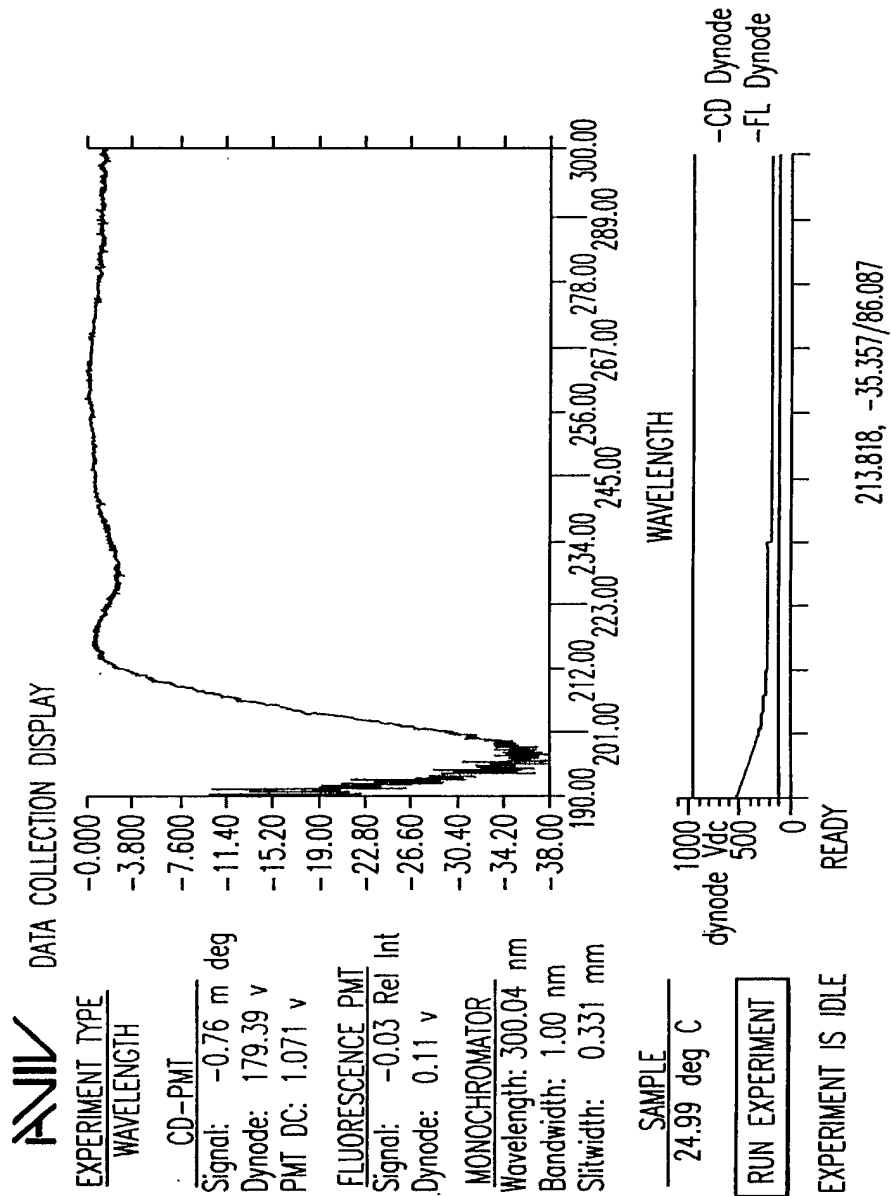


FIG.10D



18/66

40075959, 0993009

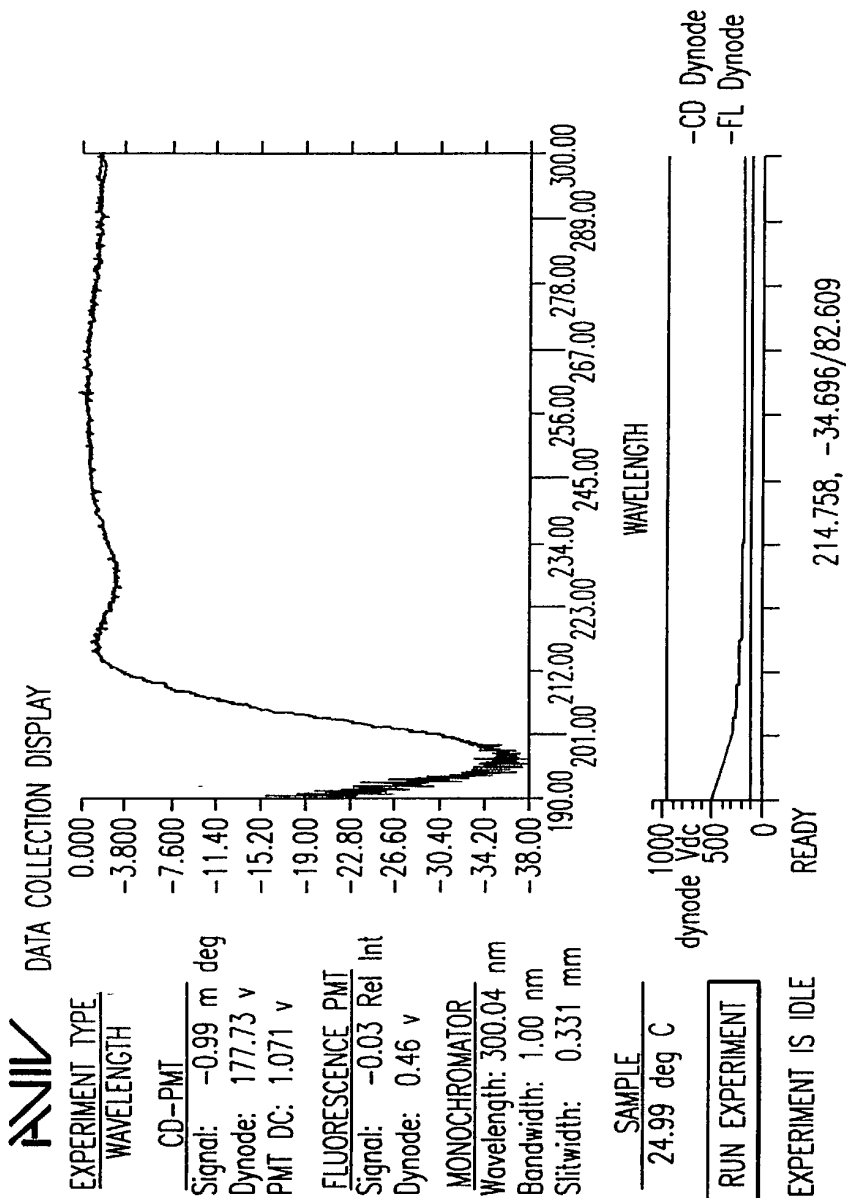


FIG.10E



19/66

40075553 . 0500302

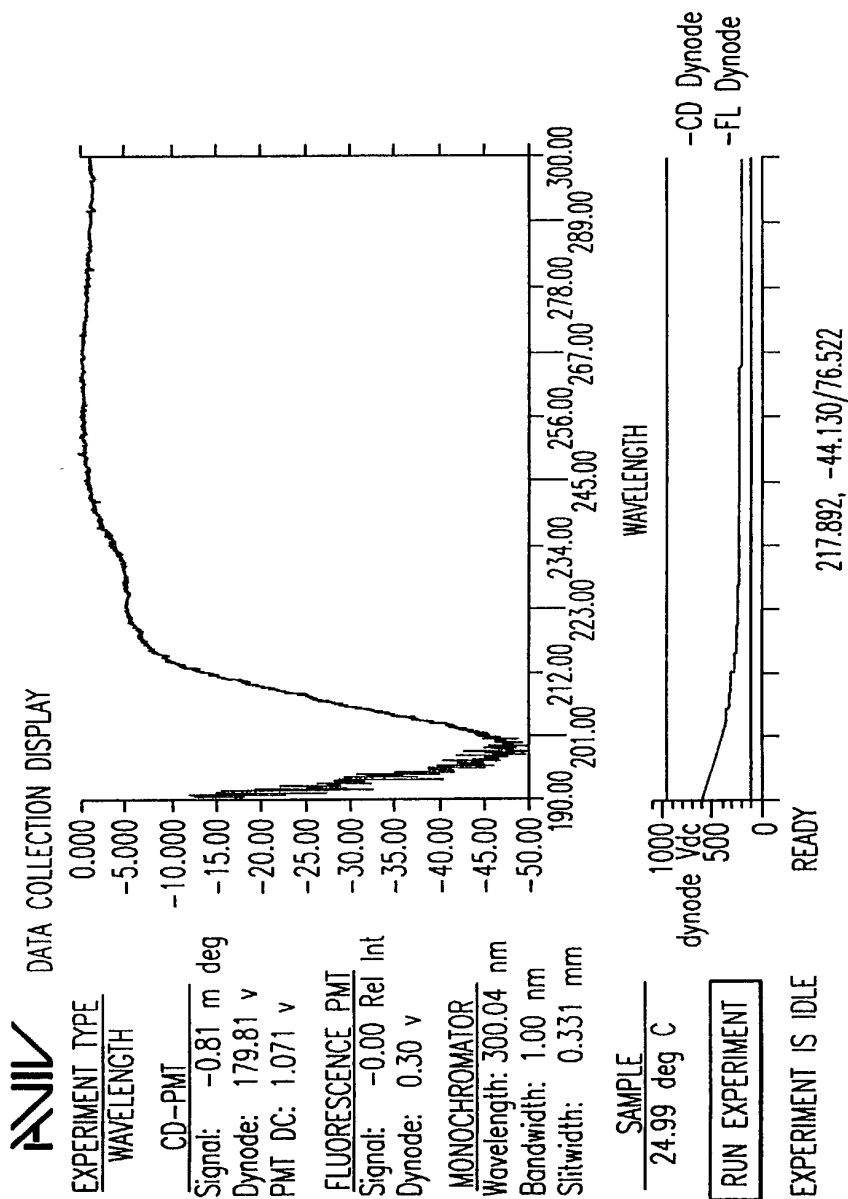


FIG.10F



20/66

1.0075555 .000302

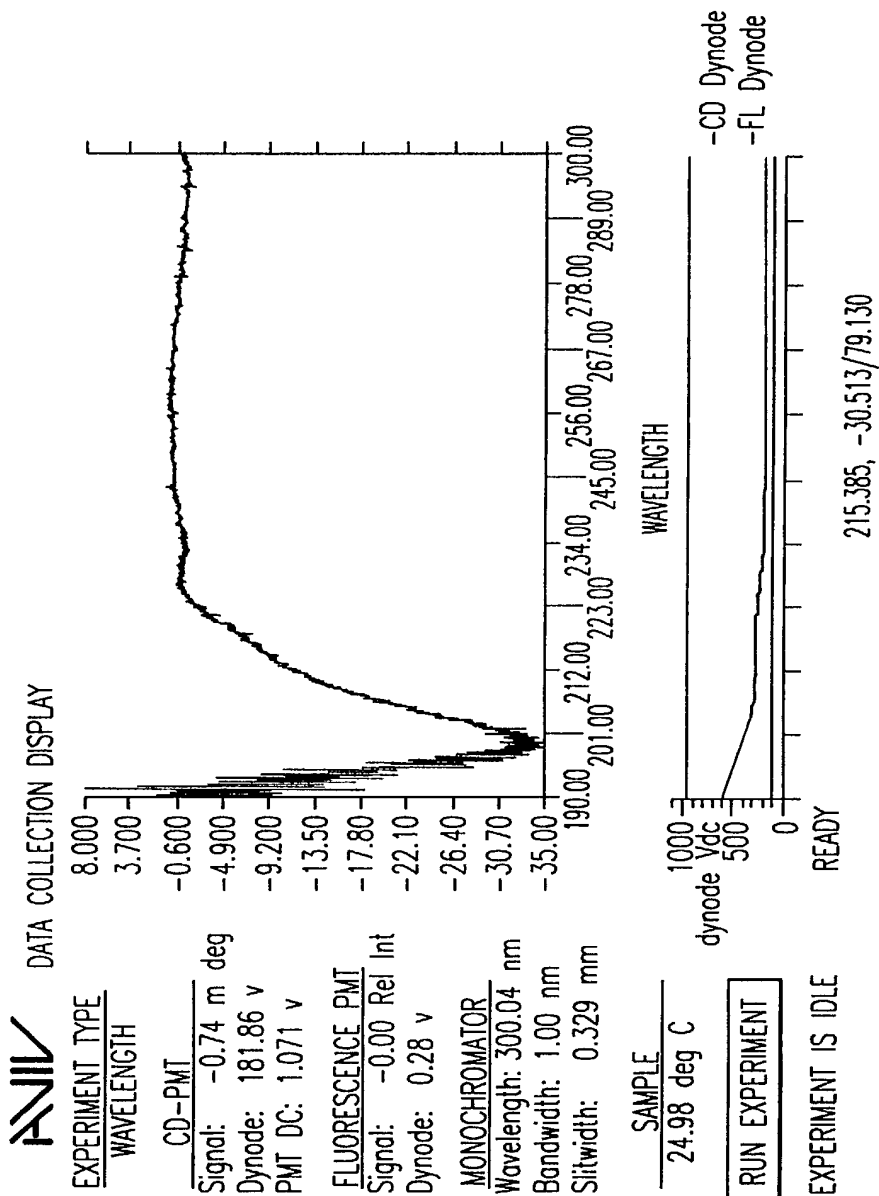


FIG.10G



440075969, 090503

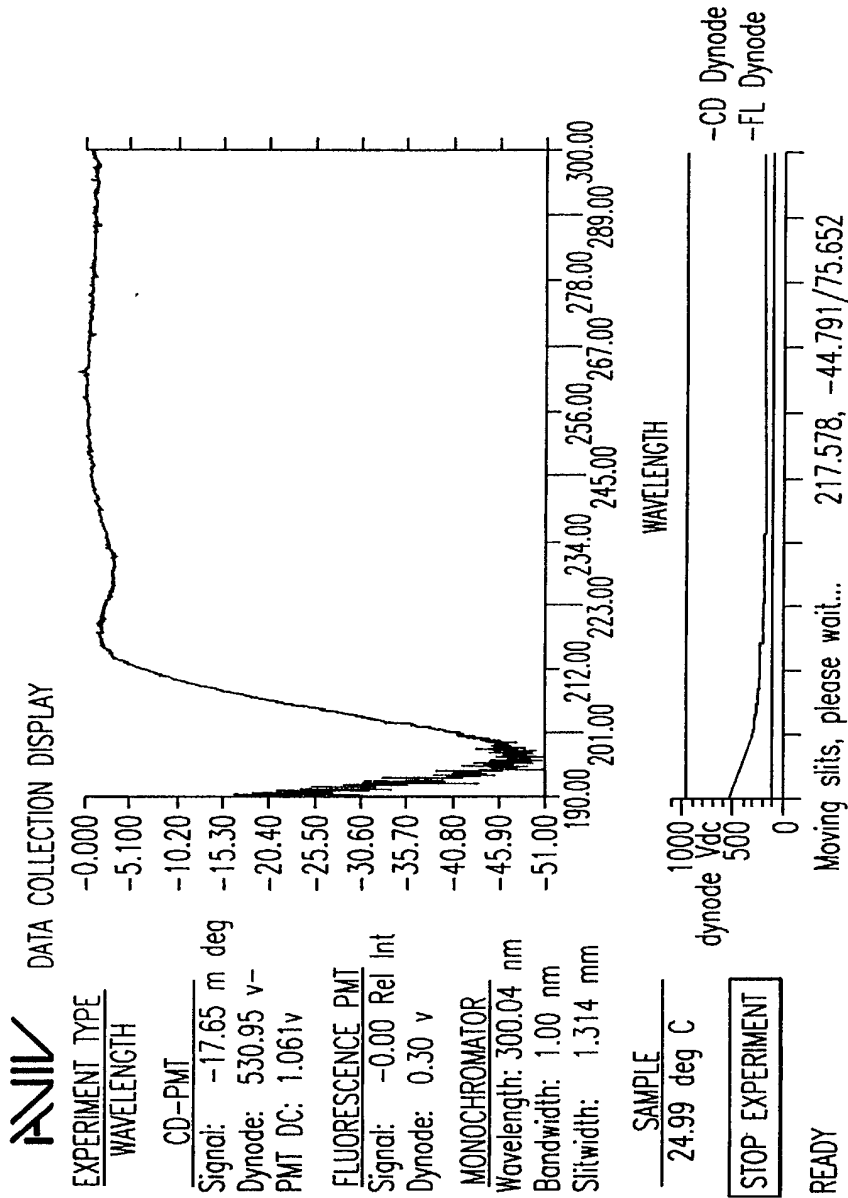


FIG.10H



10075967, 10075968

22/66

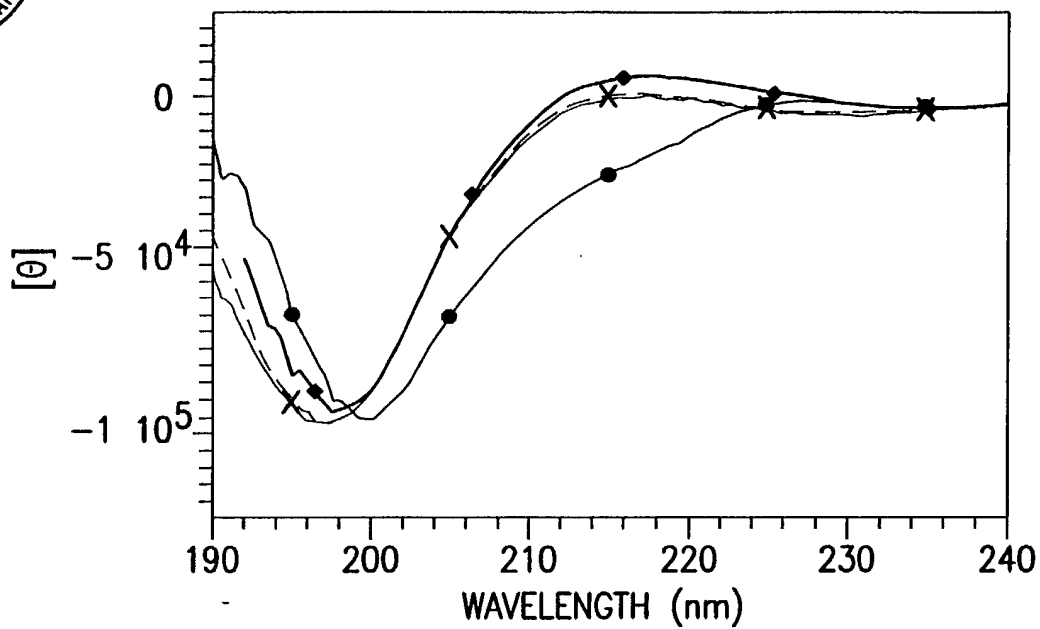


FIG.11A

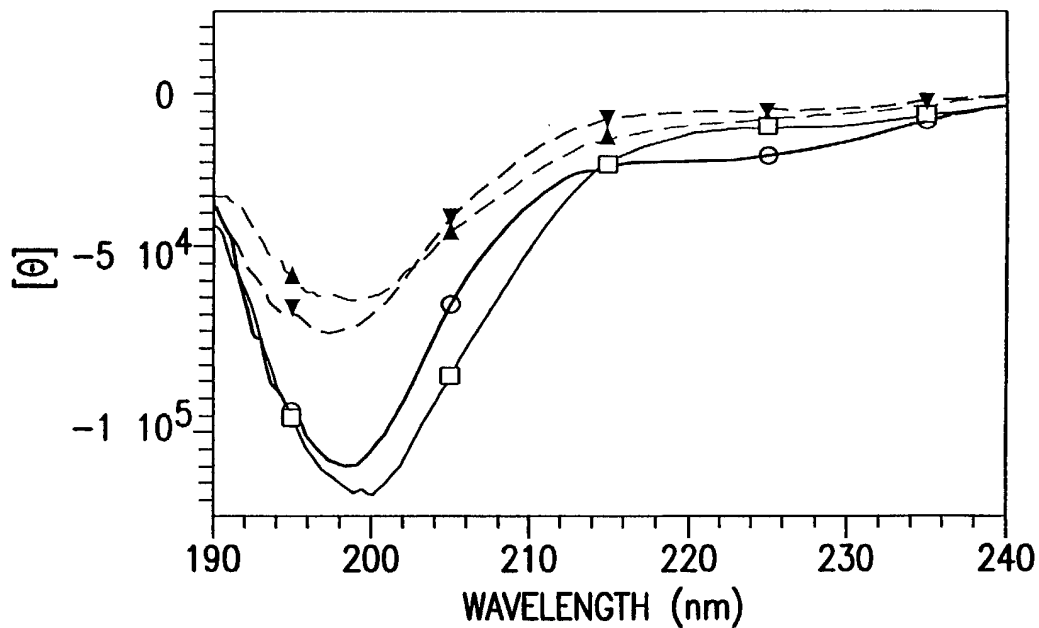


FIG.11B



10075869 .000302

23/66

Non-Biotinylated 100x Excess

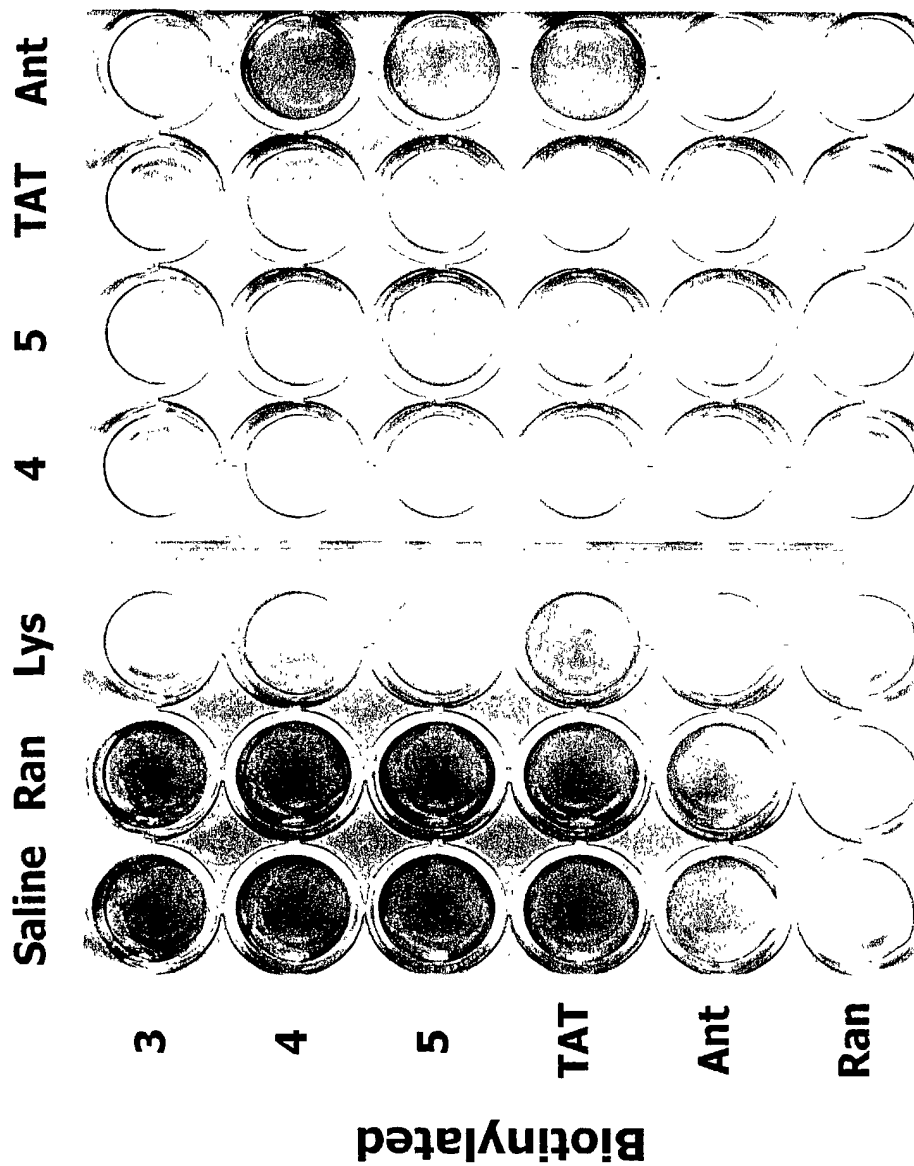


FIG.12



10075560, 050302

24/66

FIG.13B



FIG.13D



FIG.13A

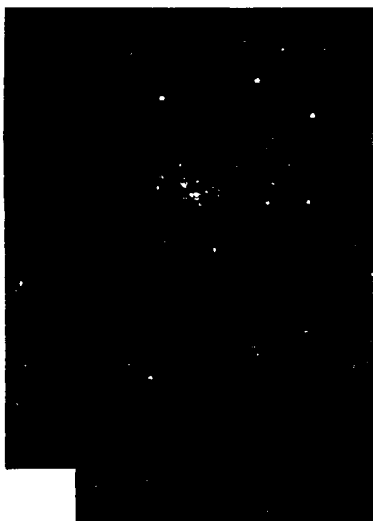
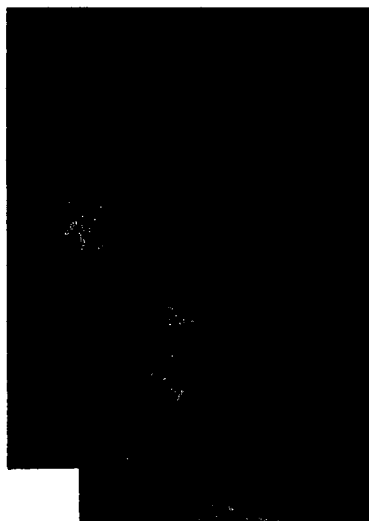


FIG.13C





10075869 . 090302

25/66

CTP-5-(KLAKLAK)₂ Peptide Impairs Cell Viability in Hg 82 Cells

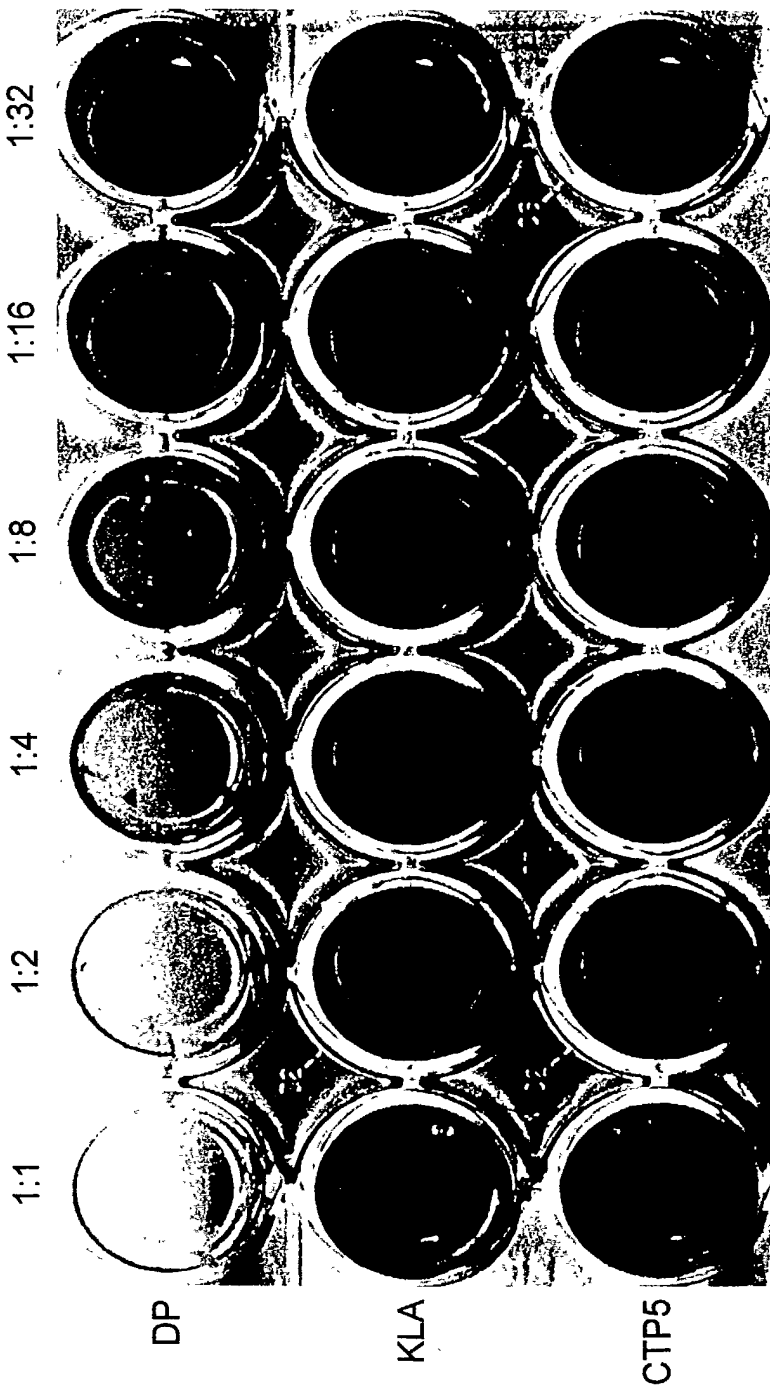


FIG.14



10075569.090707

26/66

CTP-5-(KLAKLAK)₂ PEPTIDE IMPAIRS CELL
VIABILITY IN Hig 82 CELLS

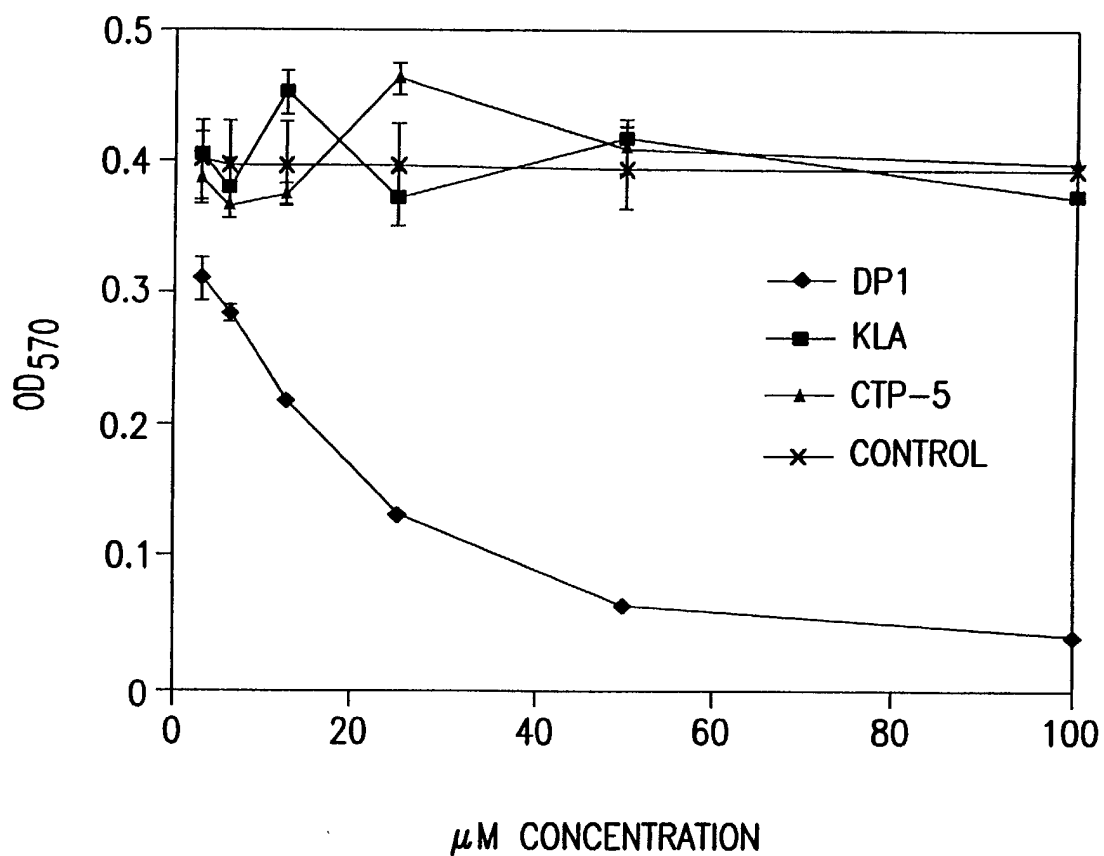


FIG.15



10075869.090302

27/66

EFFECT OF CTP-5-(KLAKLAK)₂ PEPTIDE
ADMINISTRATION ON DAY 7 MCA205 TUMORS

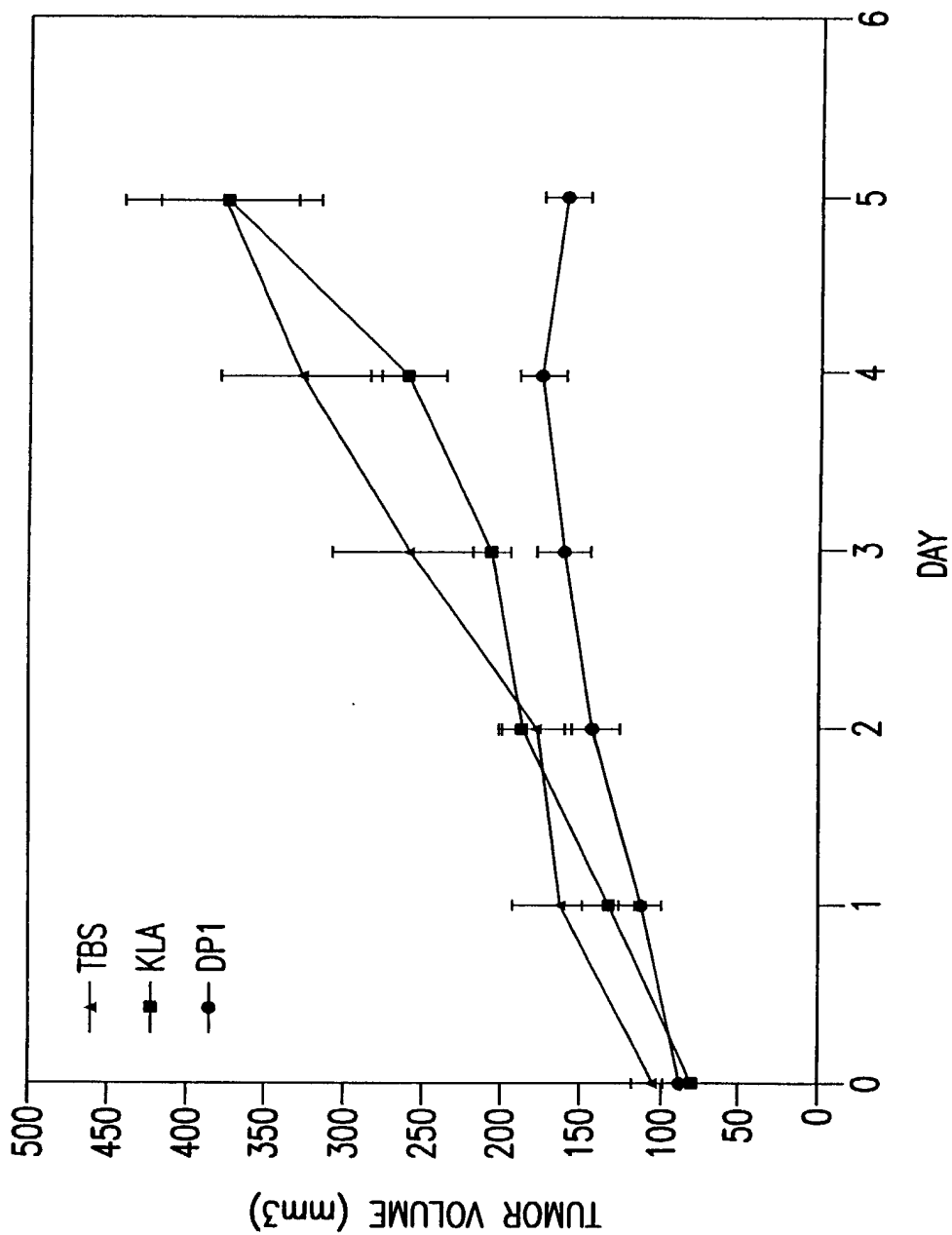
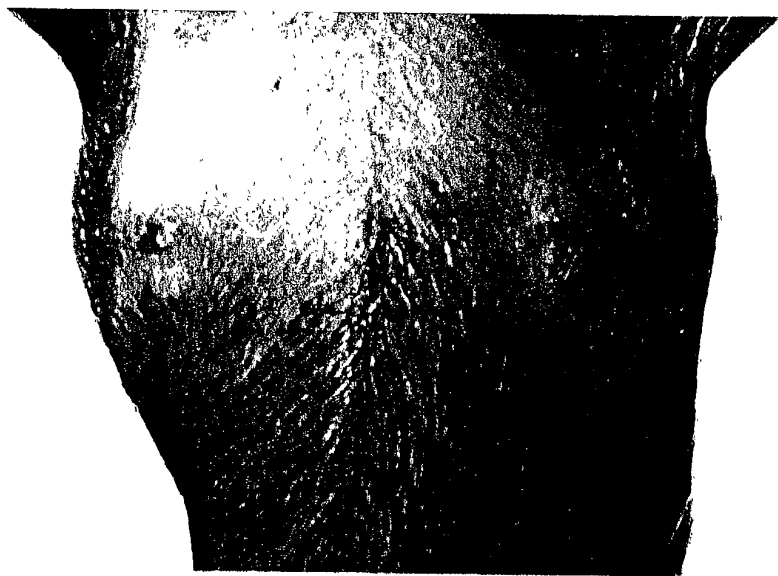
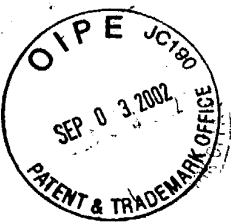
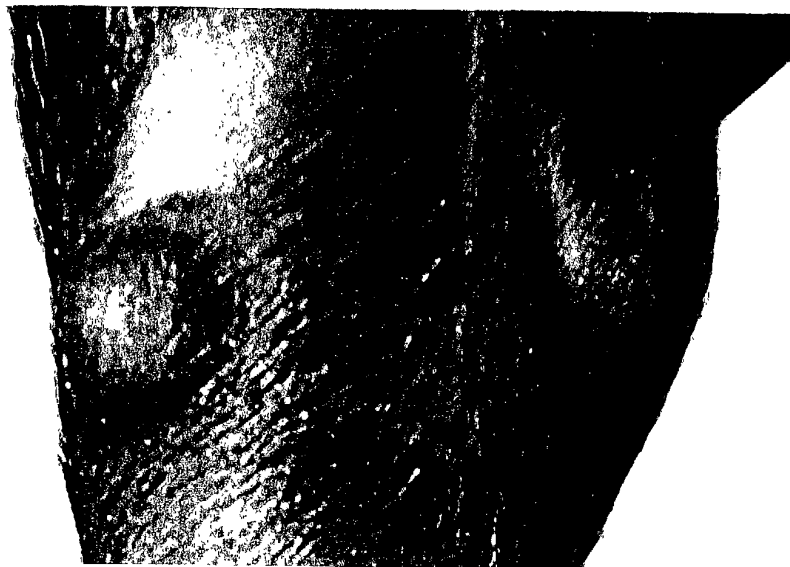


FIG.16A

28/66

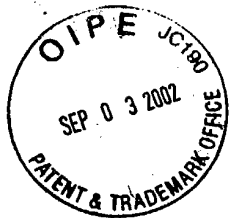


DP1



KLA

FIG.16B



10075866.00030E

29/66



KLA



DP1

FIG.16C

Figure 1 is a scatter plot showing the volume of water vapor (mm³) versus day for two groups of mice. The Y-axis ranges from 0 to 1000 mm³, and the X-axis ranges from Day 1 to Day 10. The solid circles represent the control group, and the solid squares represent the 100 mg/kg group. Both groups show a similar trend of increasing volume over time, with the 100 mg/kg group generally having slightly higher volumes than the control group.

Day	Control (mm³)	100 mg/kg (mm³)
1	~100	~100
2	~150	~150
3	~200	~200
4	~250	~250
5	~300	~300
6	~350	~350
7	~400	~400
8	~450	~450
9	~500	~500
10	~550	~550

FIG. 16D



11075867-00000000

31/66

**CD34⁺/LIN⁻ Stem Cells Are Transduced by a
CTP-5-Biotin/Avidin- β -Galactosidase
Complex**

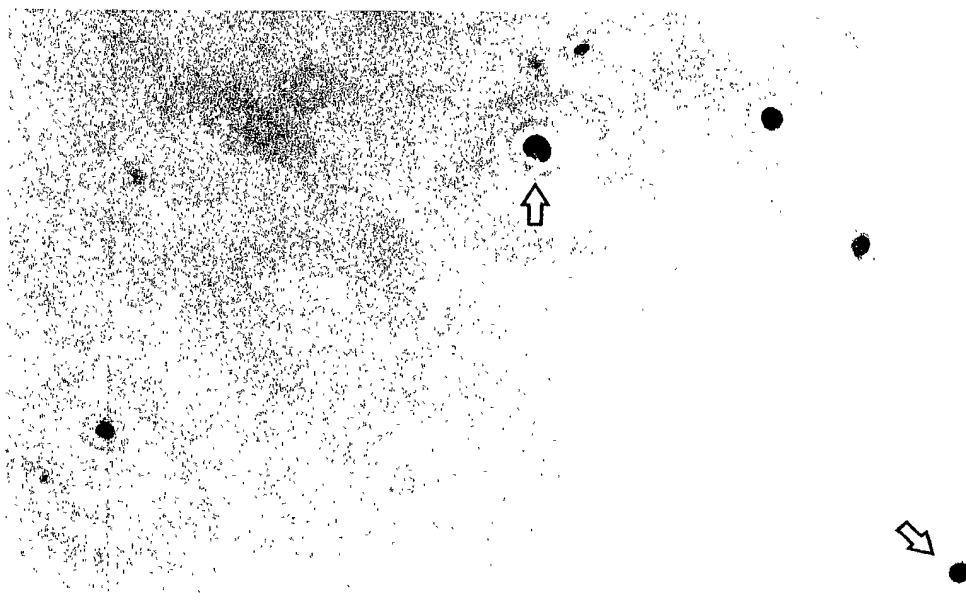
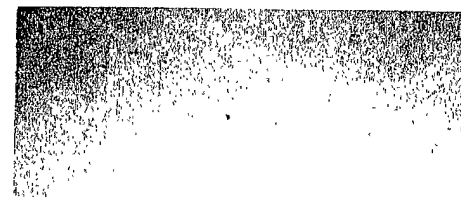


FIG.17



10075869 . 070302

32/66



TUNEL



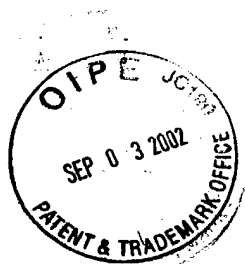
KLA



H&E

DP1

FIG.18



10075860 .09031E

33/66

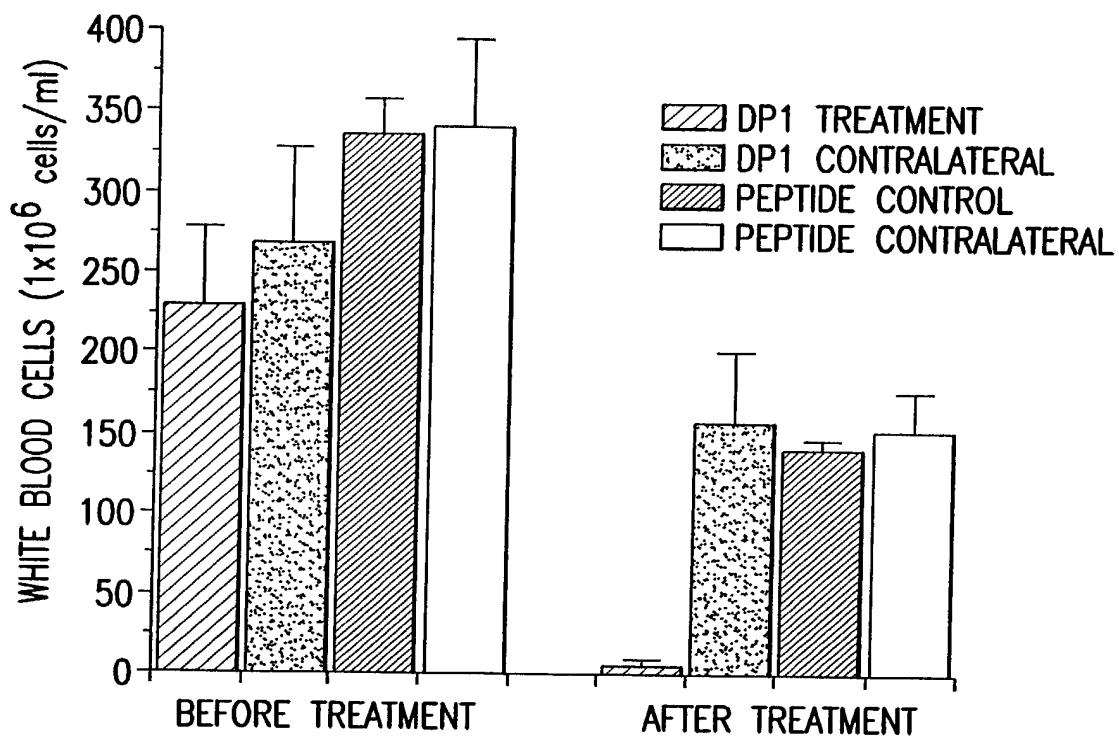


FIG.19

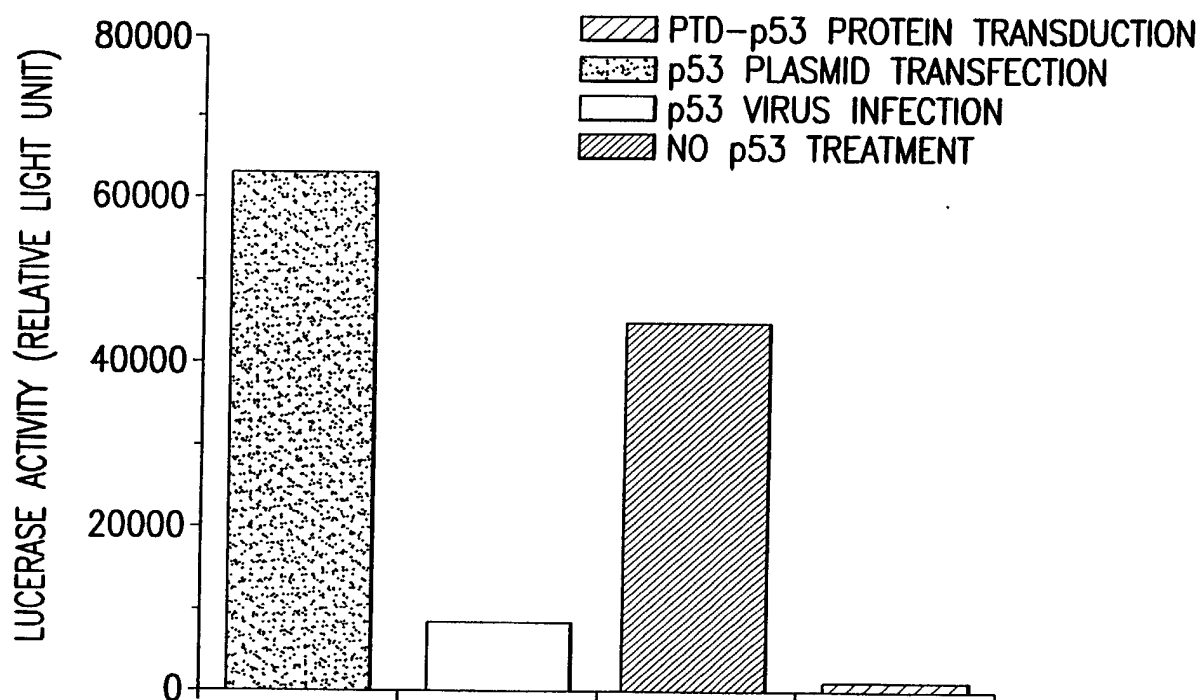


FIG.20

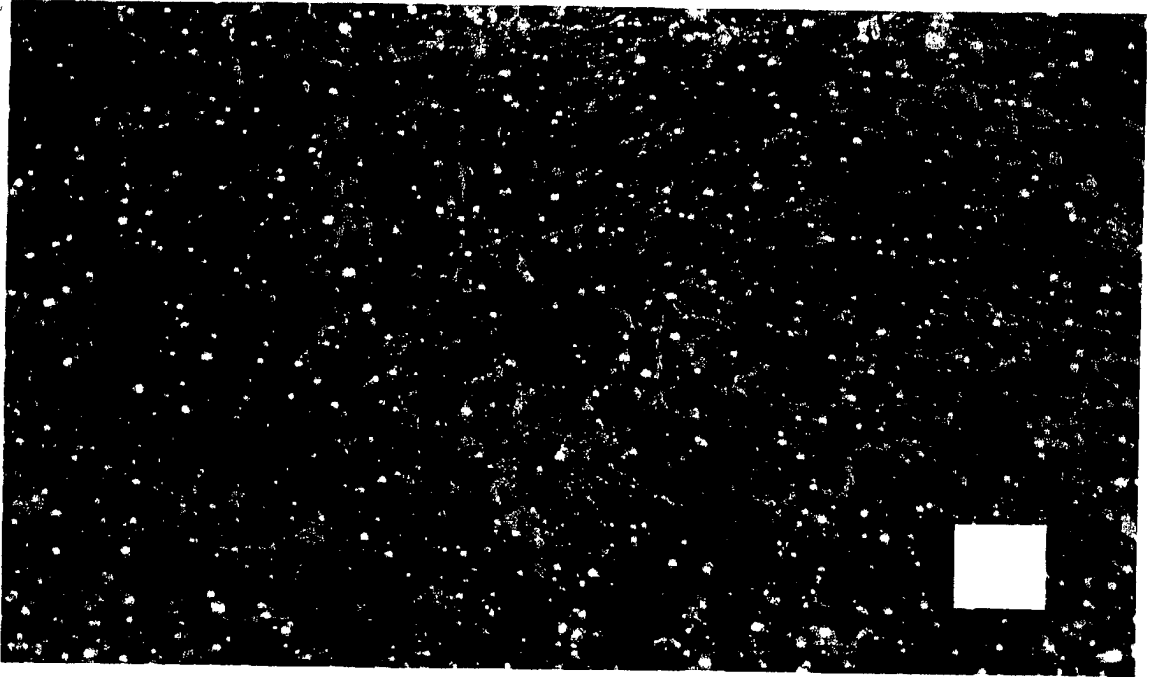


FIG.21A

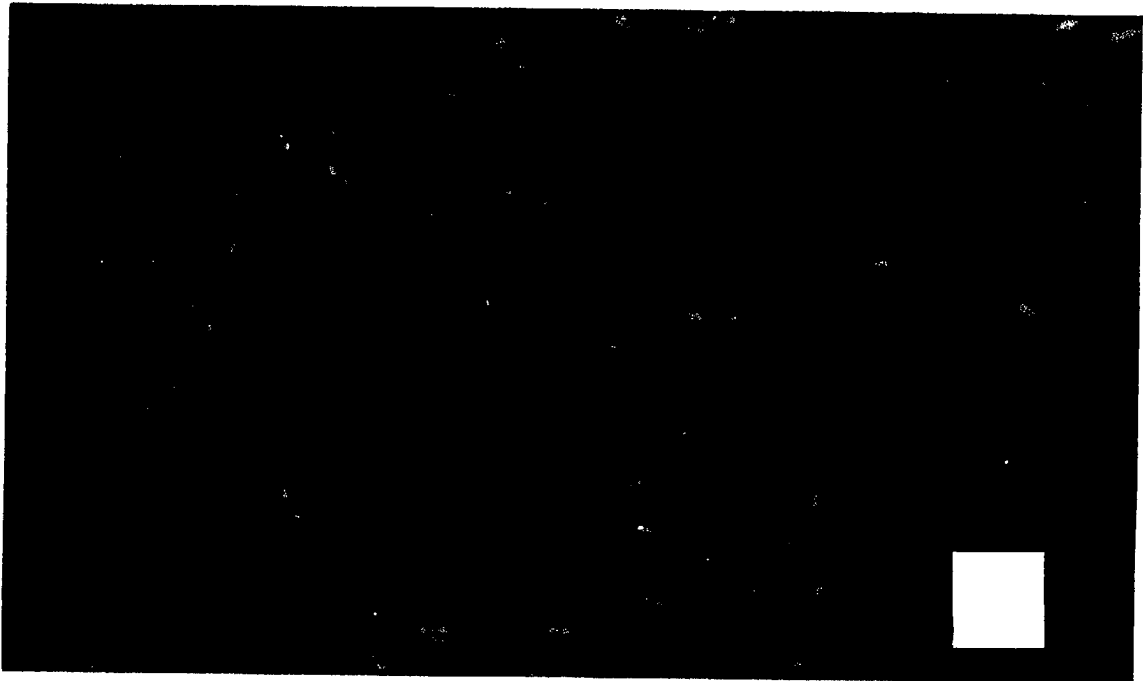


FIG.21B



10075569 .090302

36/66



FIG.22C

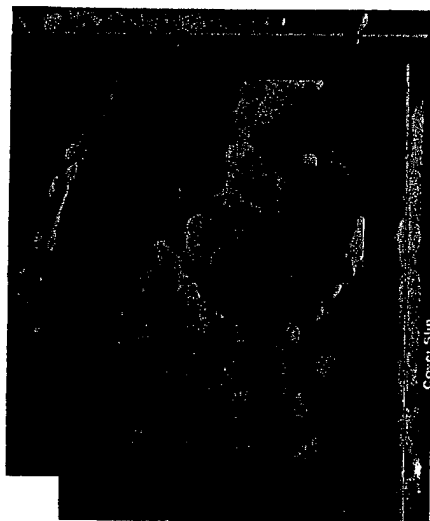


FIG.22B

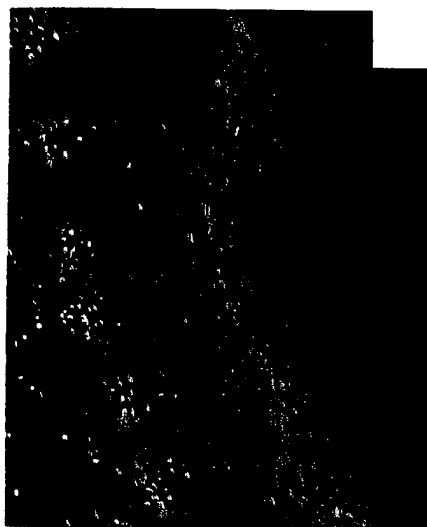


FIG.22A



10075869 . 000302

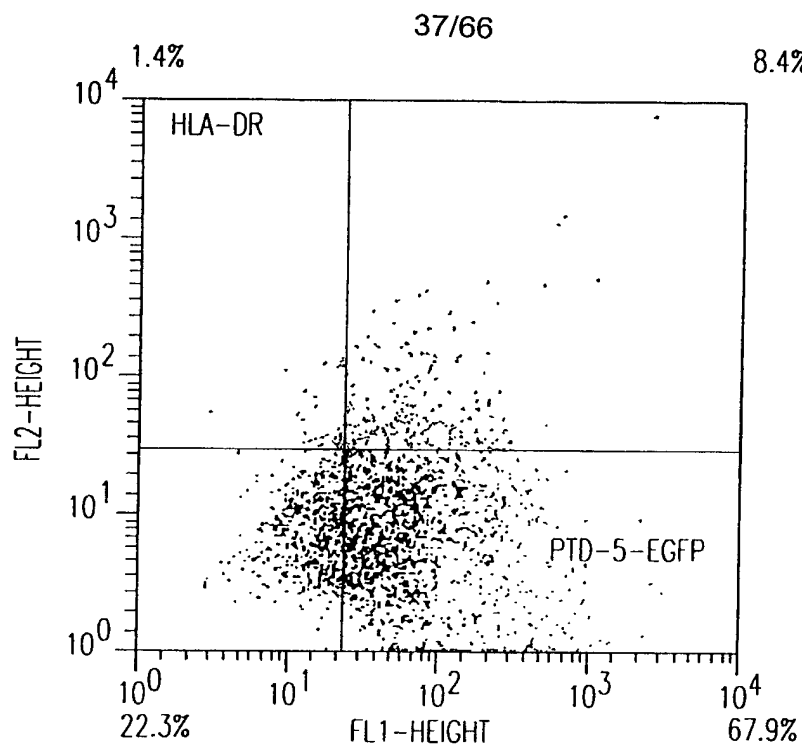


FIG.22D

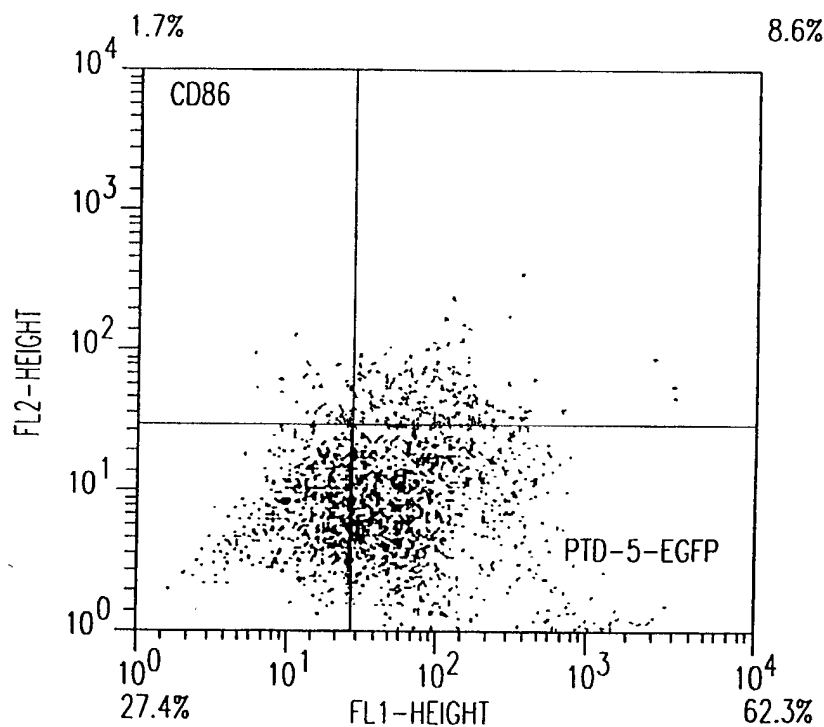


FIG.22E

38/66

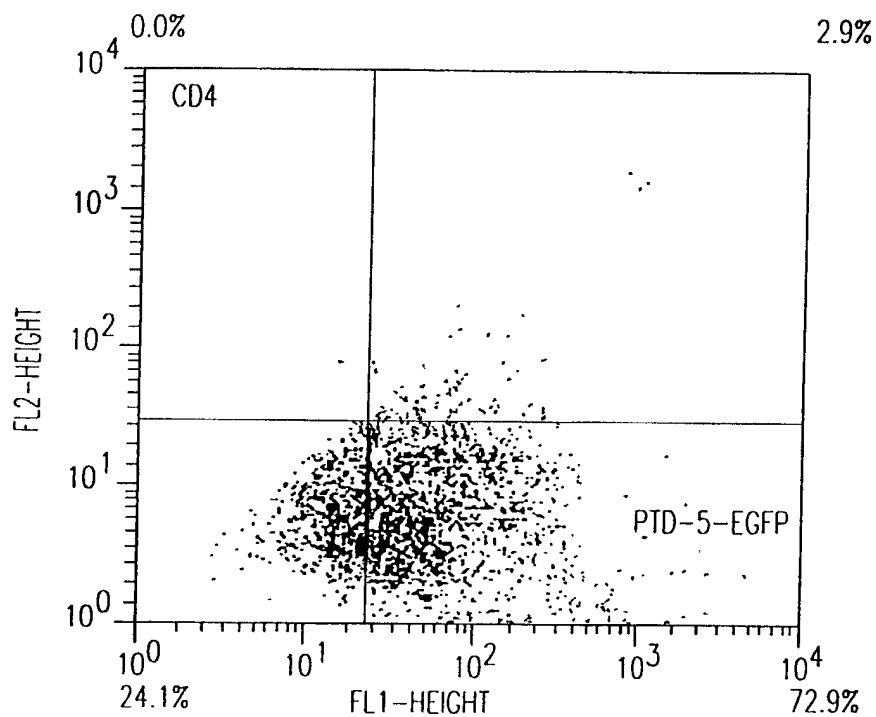


FIG. 22F

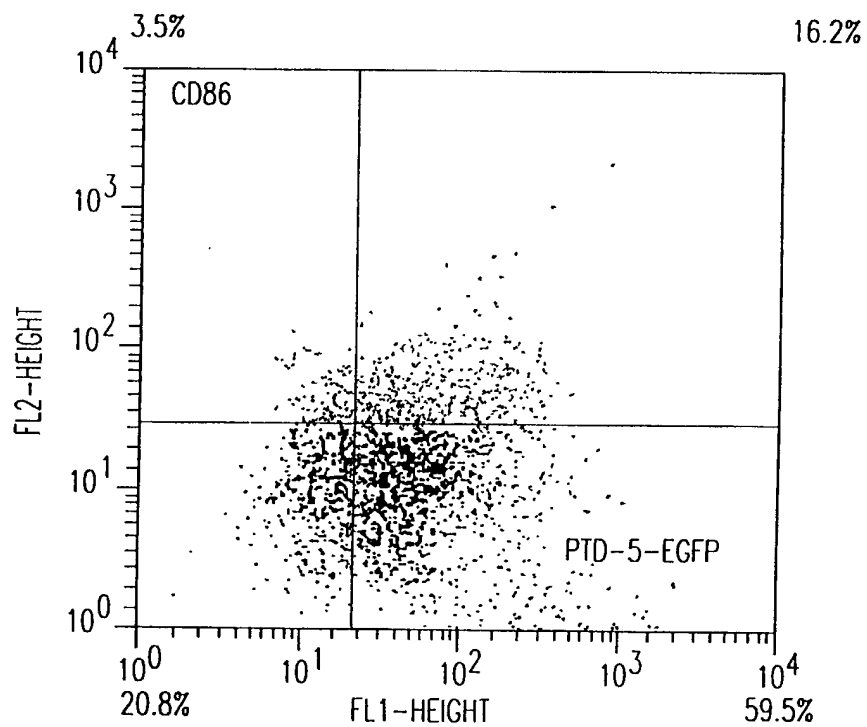


FIG. 22G





10725869 . 170302

39/66

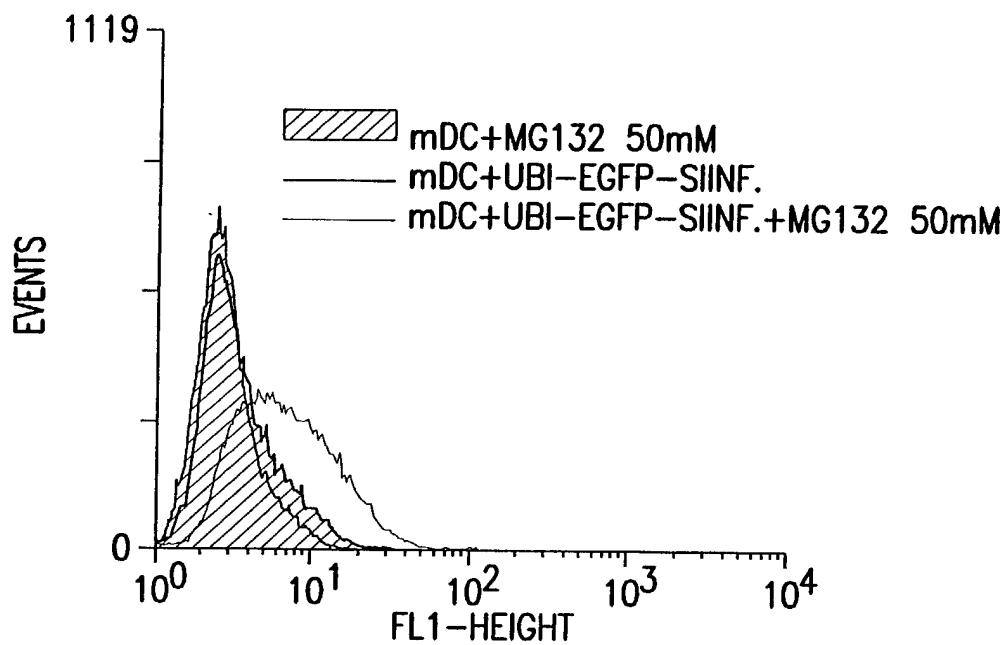


FIG.23A

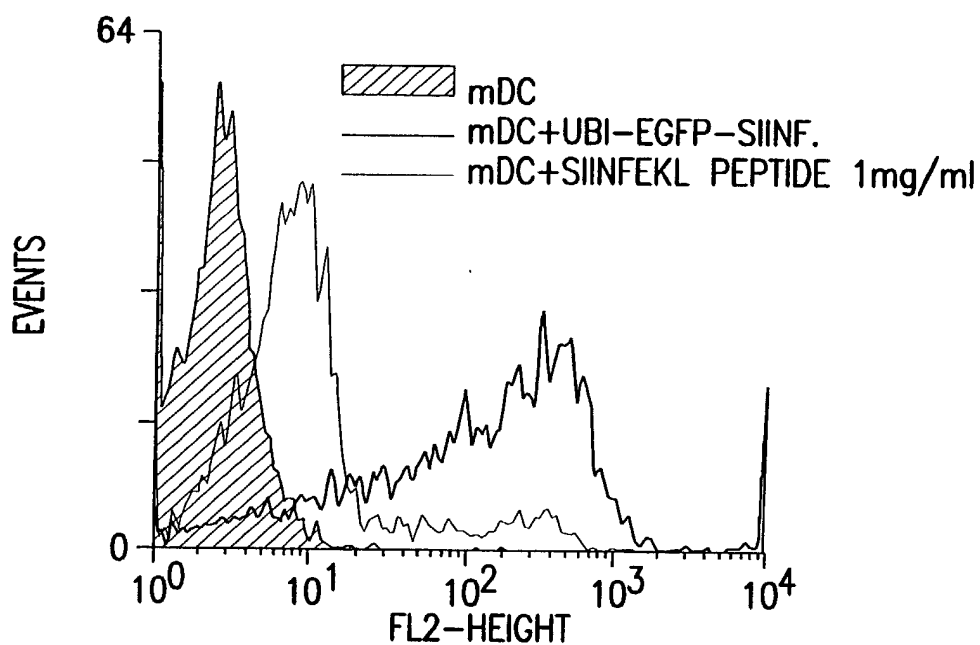


FIG.23B

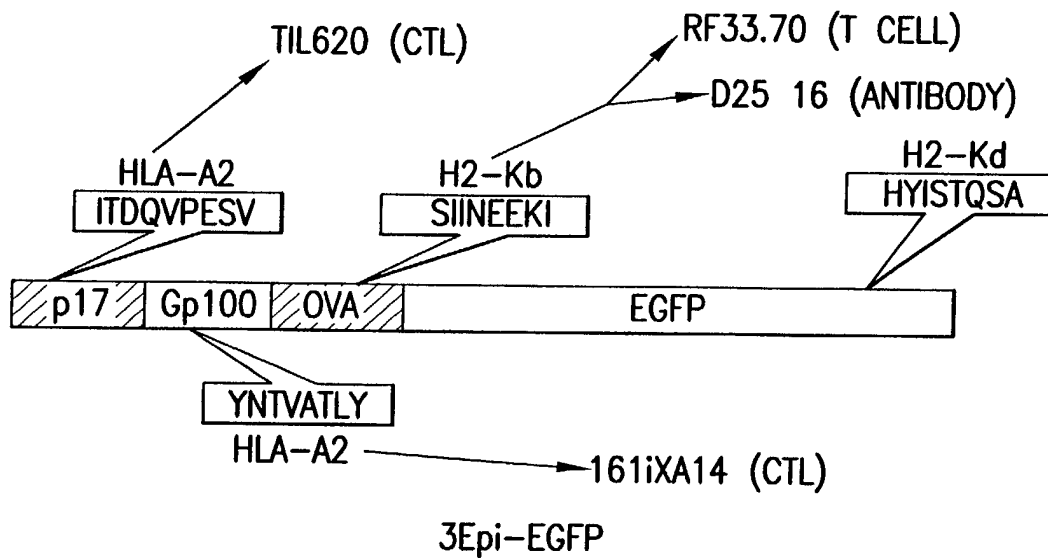


FIG.24





10075869 .000302

41/66

PTD-5 and Prostate peptide deliver β -Gal into DU145 tumor cells

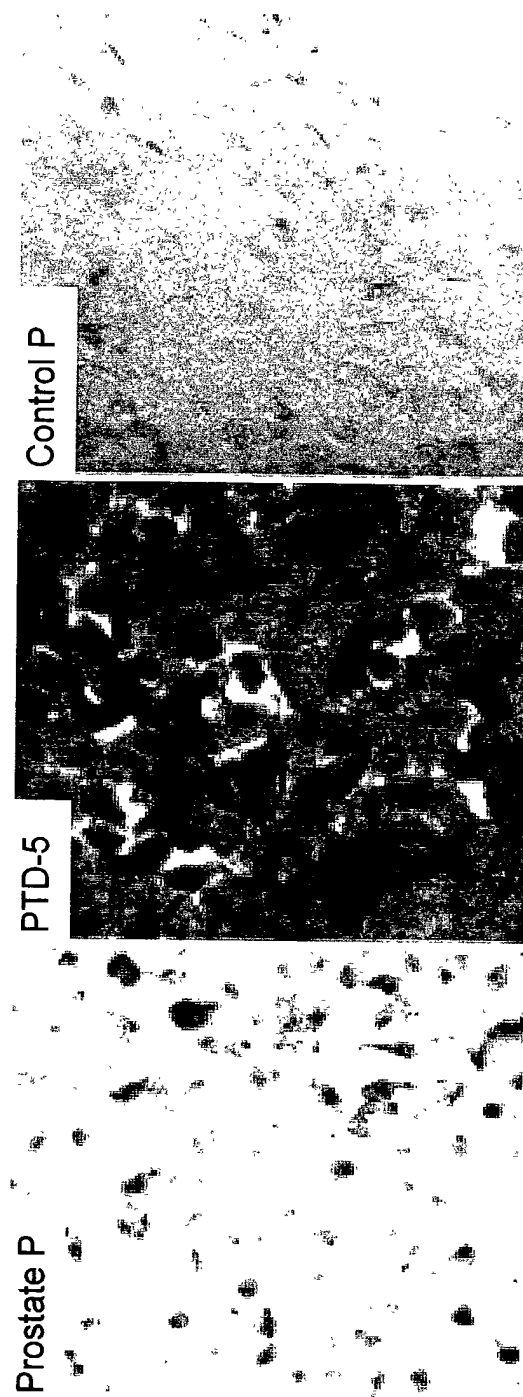


FIG.25



PTD-5 and Prostate peptide FITC facilitate uptake into DU145 tumor cells

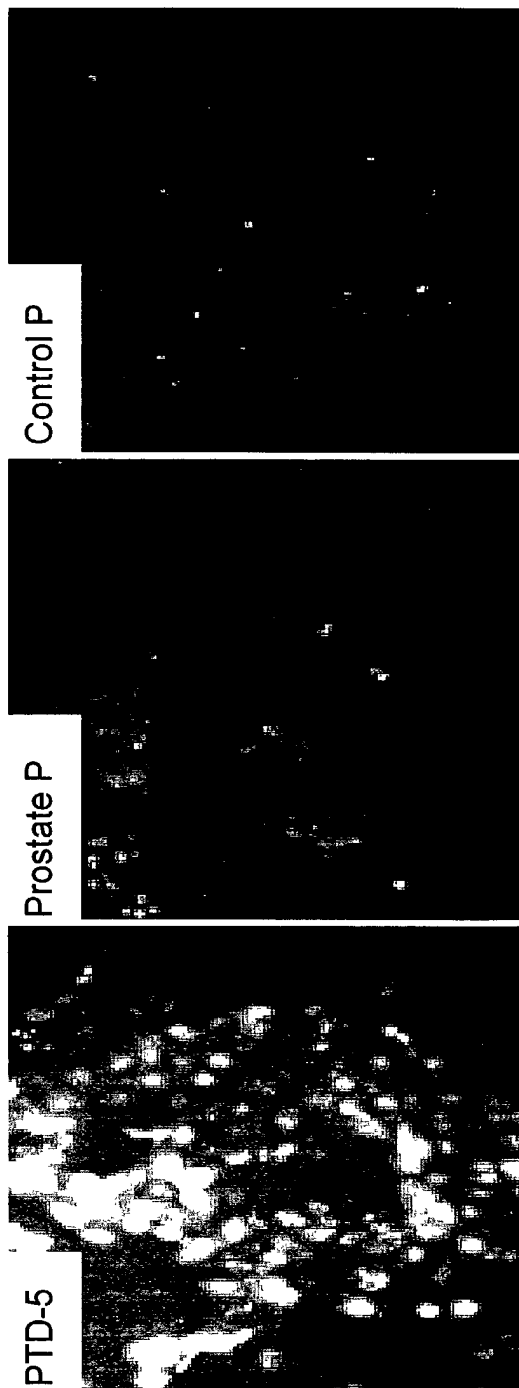


FIG.26

Peptide from Airway Segment Screening Facilitates
Uptake of β -Gal and Cy3 into Calu3 Cells

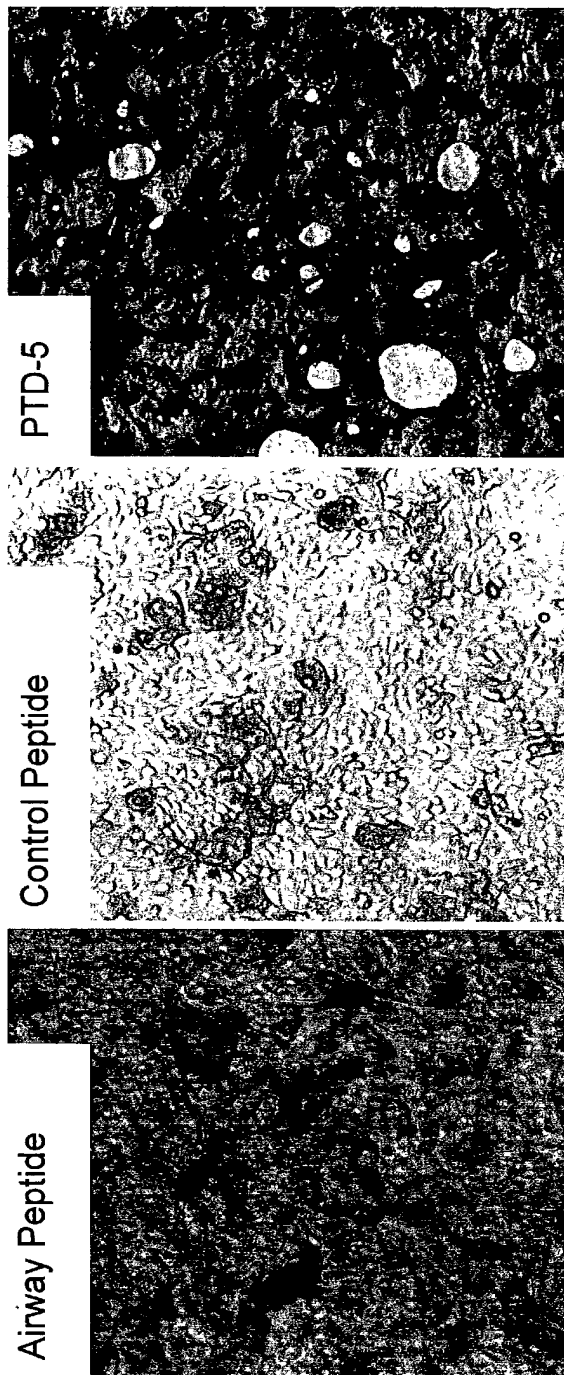


FIG.27



44/66

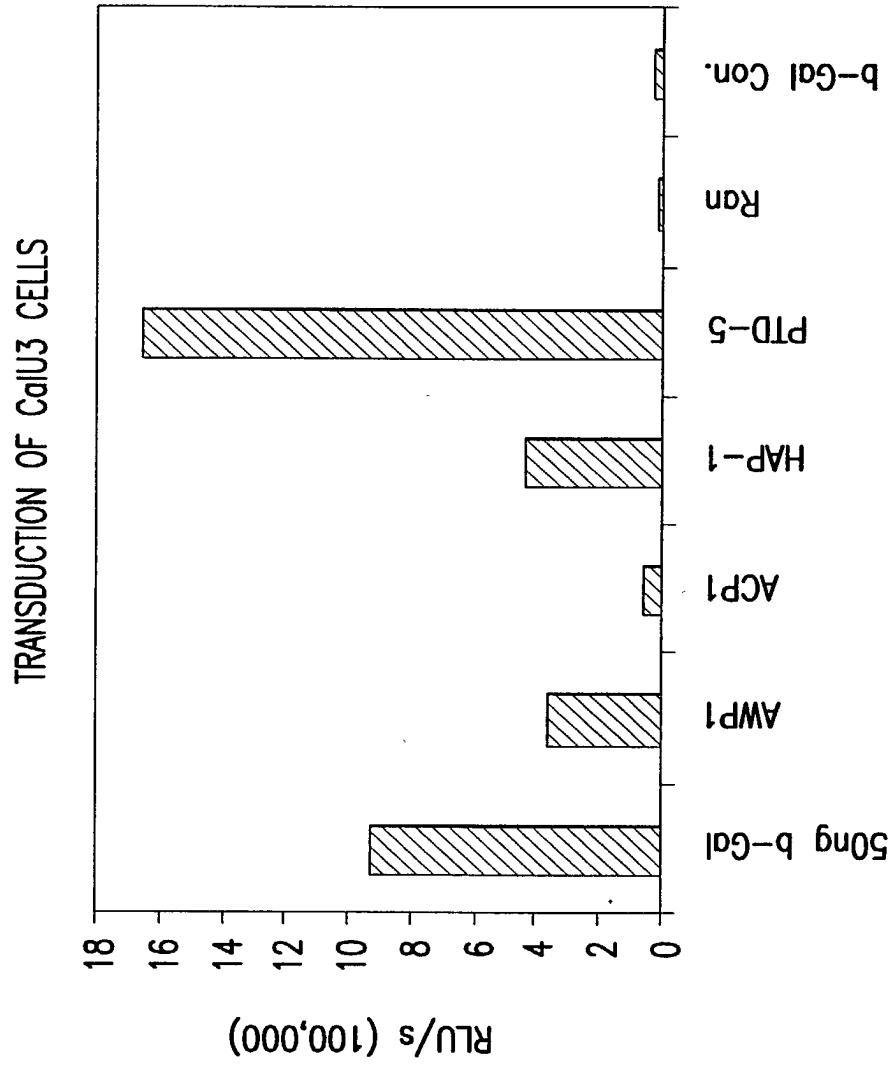


FIG. 28



10075869.000302

45/66

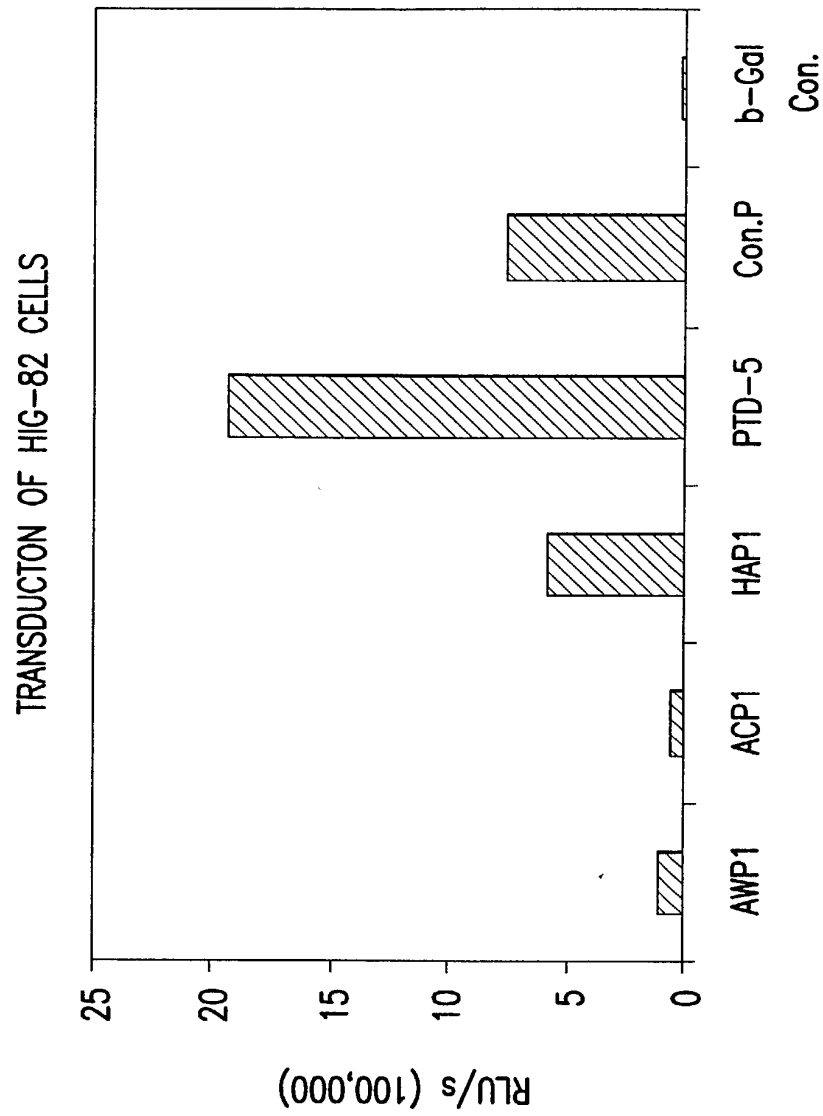


FIG. 29

PTD-5 and Airway Peptide Facilitate Delivery
of Avidin- β -Gal into Murine Lungs

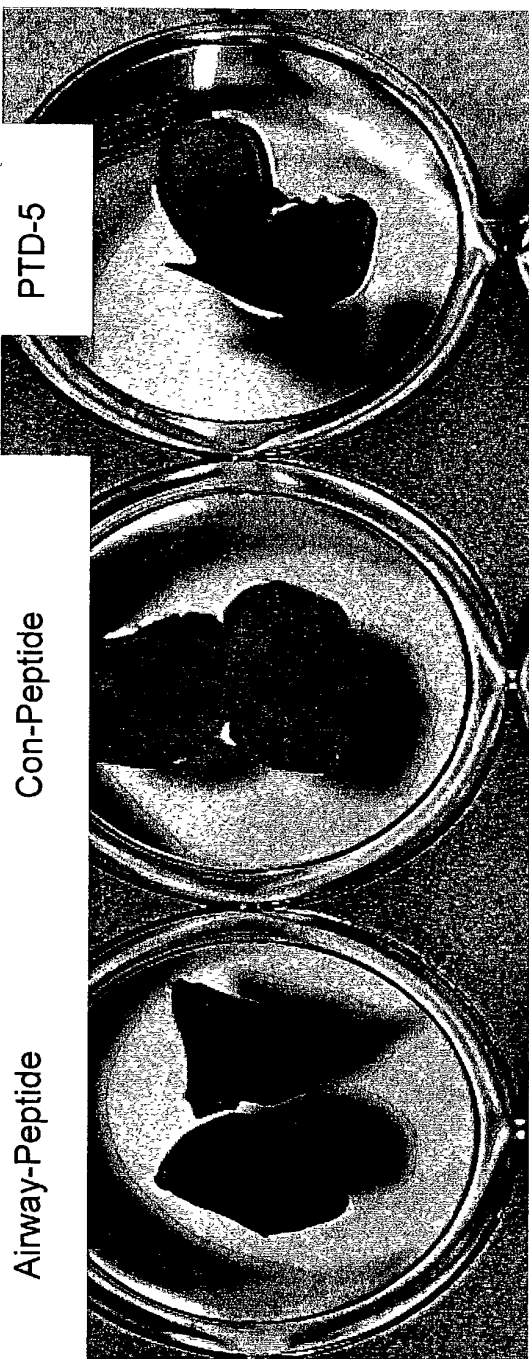


FIG.30



10075869.000302

47/66

PTD-5 and Airway Peptide Facilitate β -Gal Uptake into Murine Lungs
AWP1 PTD-5 Control

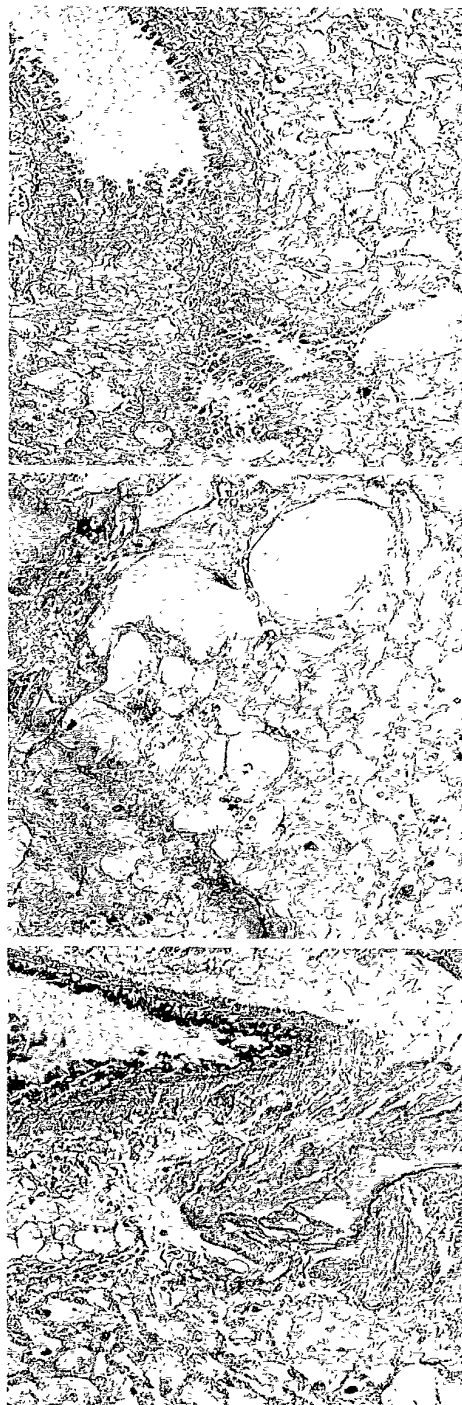


FIG.31



10075869 . 090302

48/66

PTD-5 Delivers Cy3-Anti-Mouse IgG into Hlg-82 Cells

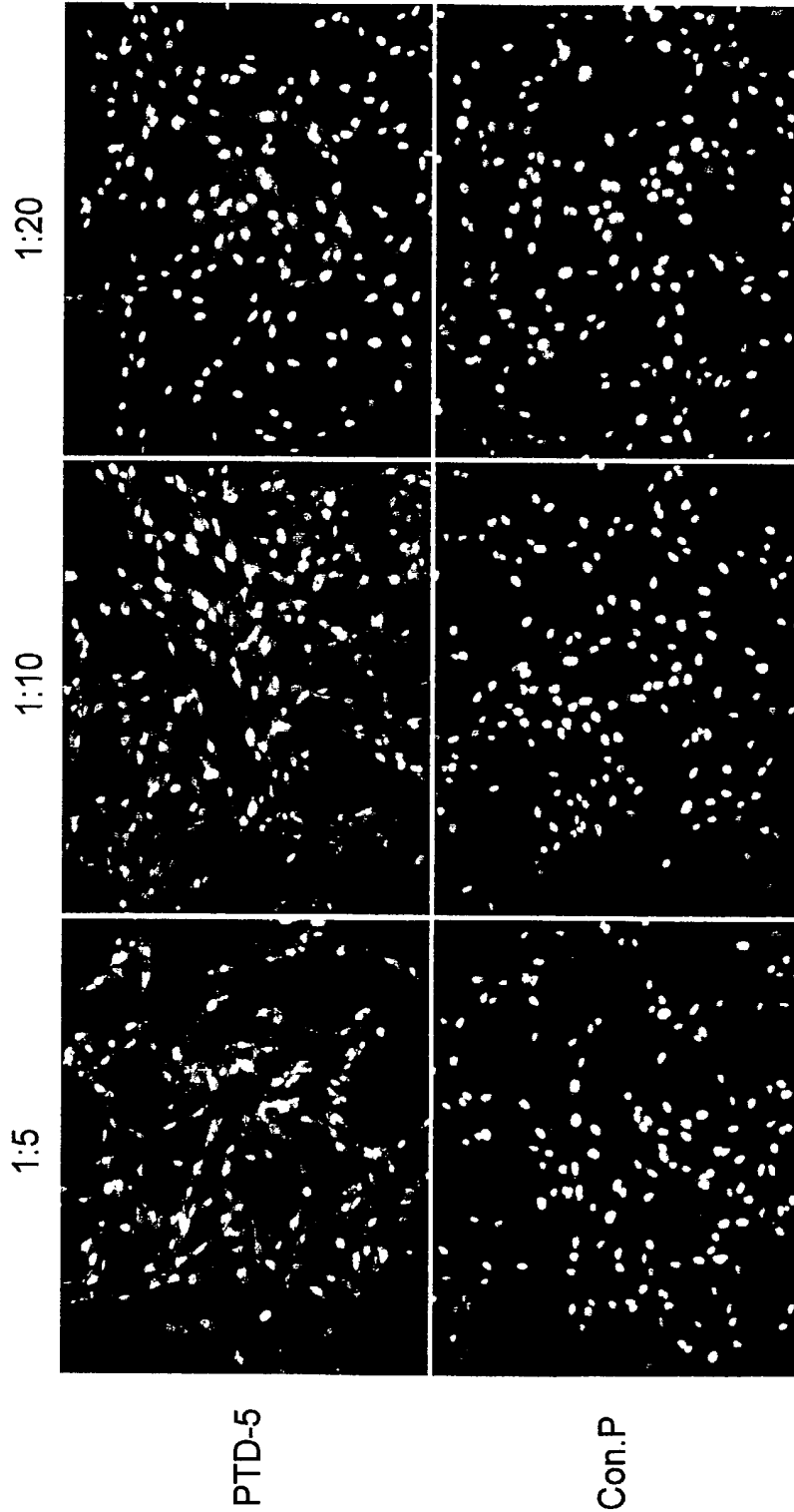


FIG.32



49/66

10075869 .000302

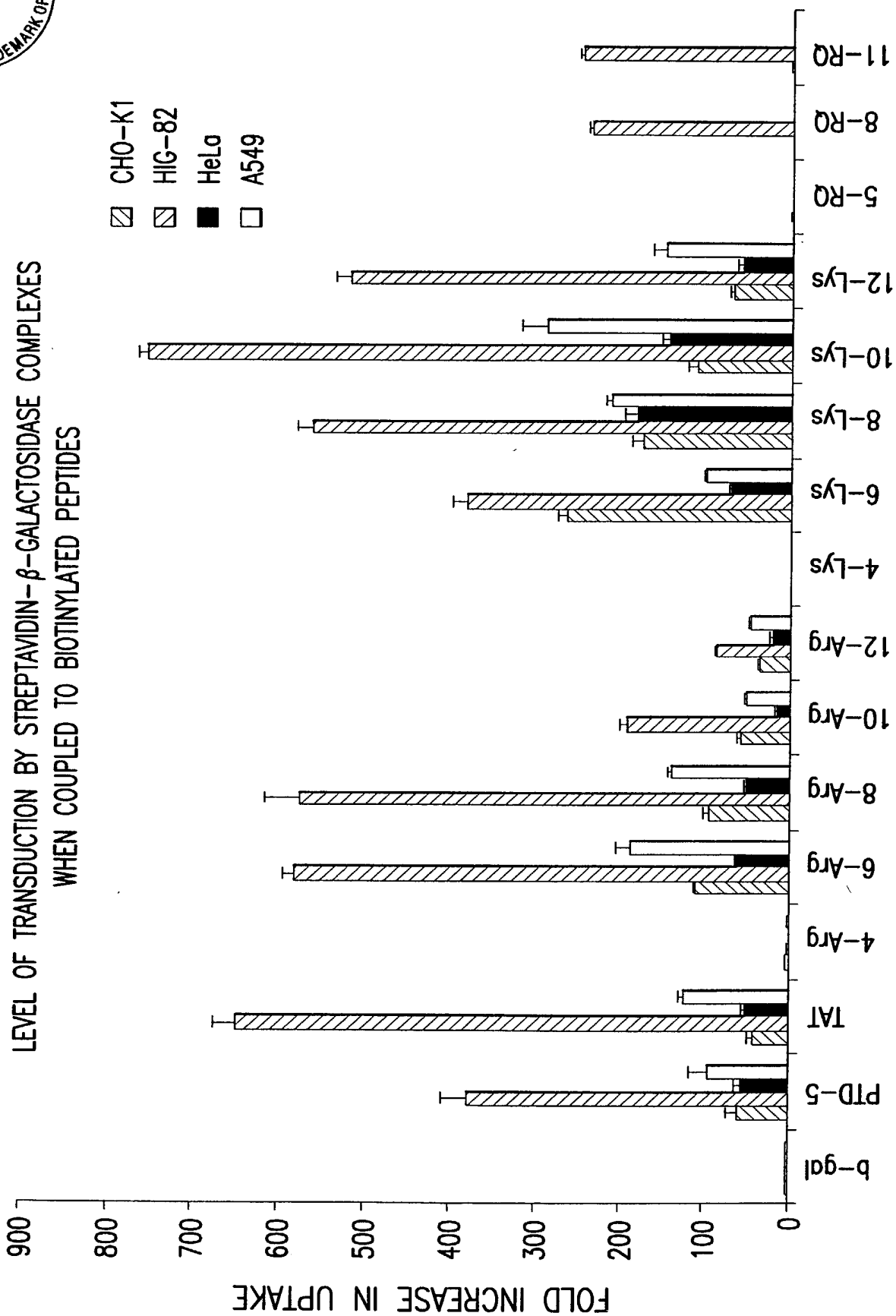


FIG. 33



10075869 .09030E

CATIONIC PTDs TRANSDUCE HUMAN β -CELLS WITH VARYING EFFICIENCIES

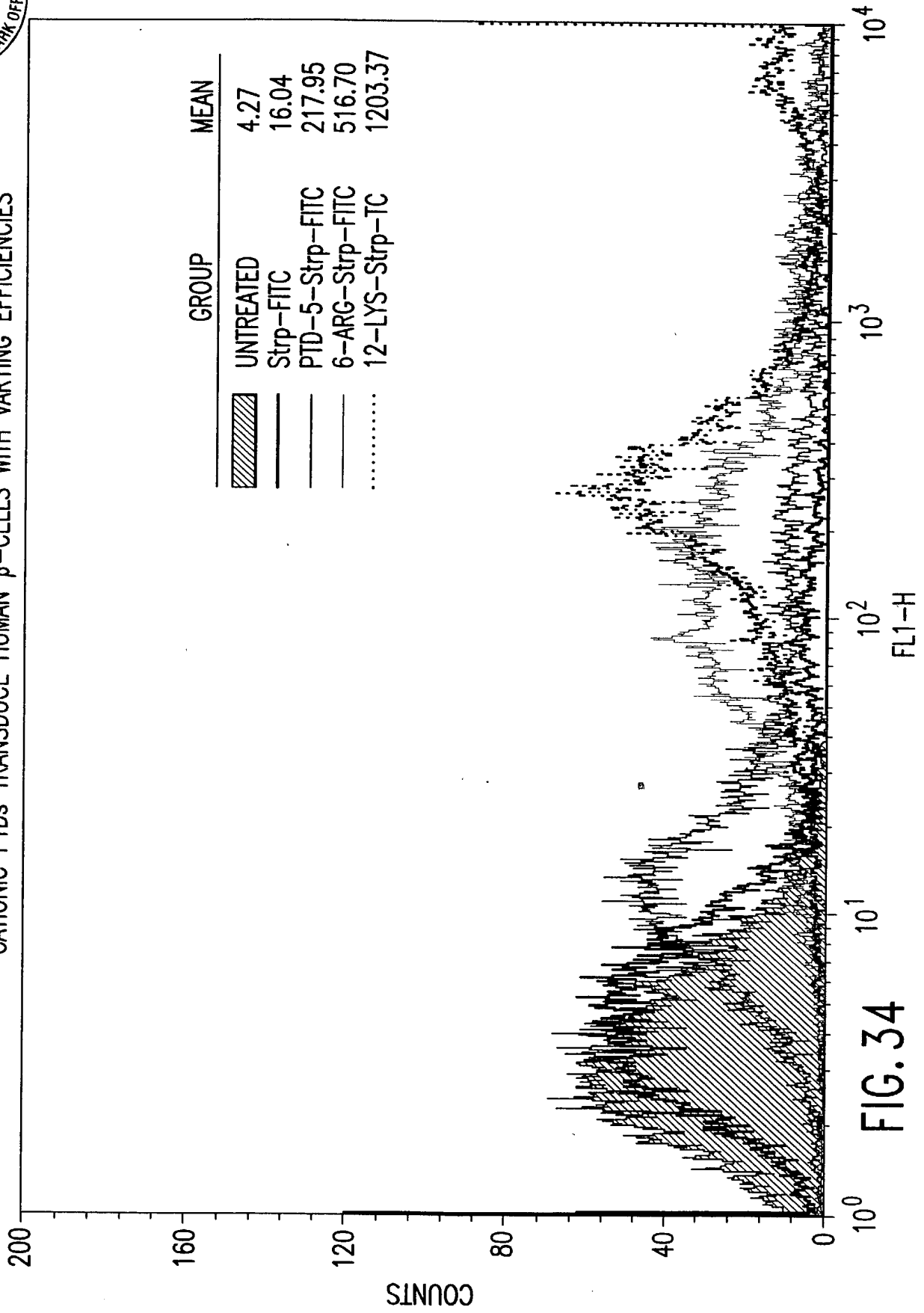


FIG. 34



10075969 .090302

51/66

Transduction of PTD-EGFP Into Human Islet

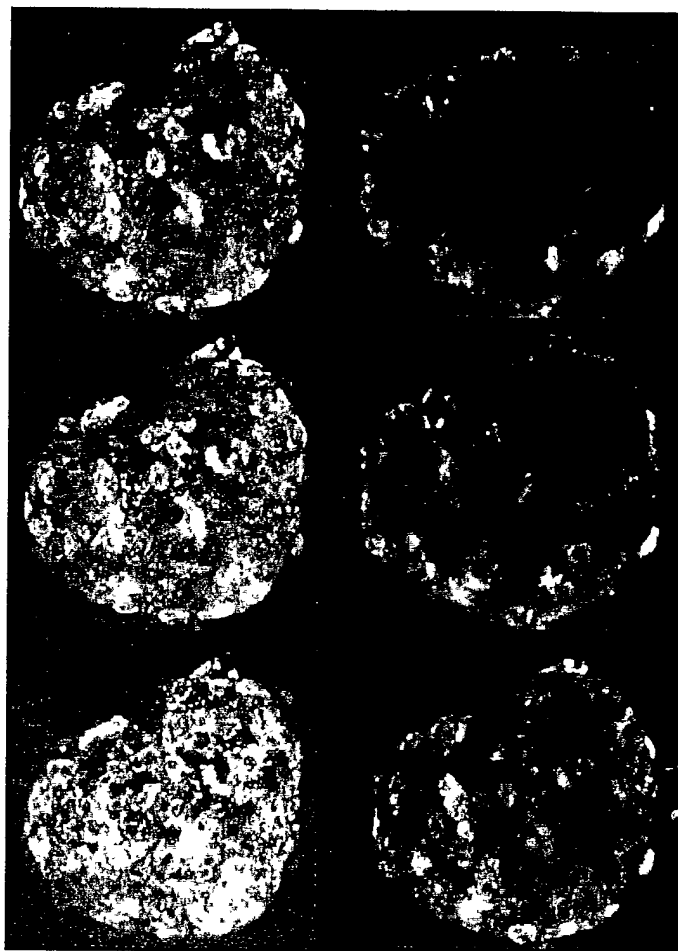


FIG.35



10075849-090702

52/66

UPTAKE OF PEPTIDE-BIOTIN-STREPTAVIDIN- β -GALACTOSIDASE COMPLEXES
IS IMPAIRED IN CHO CELLS DEFECTIVE FOR HS & GAG SYNTHESIS

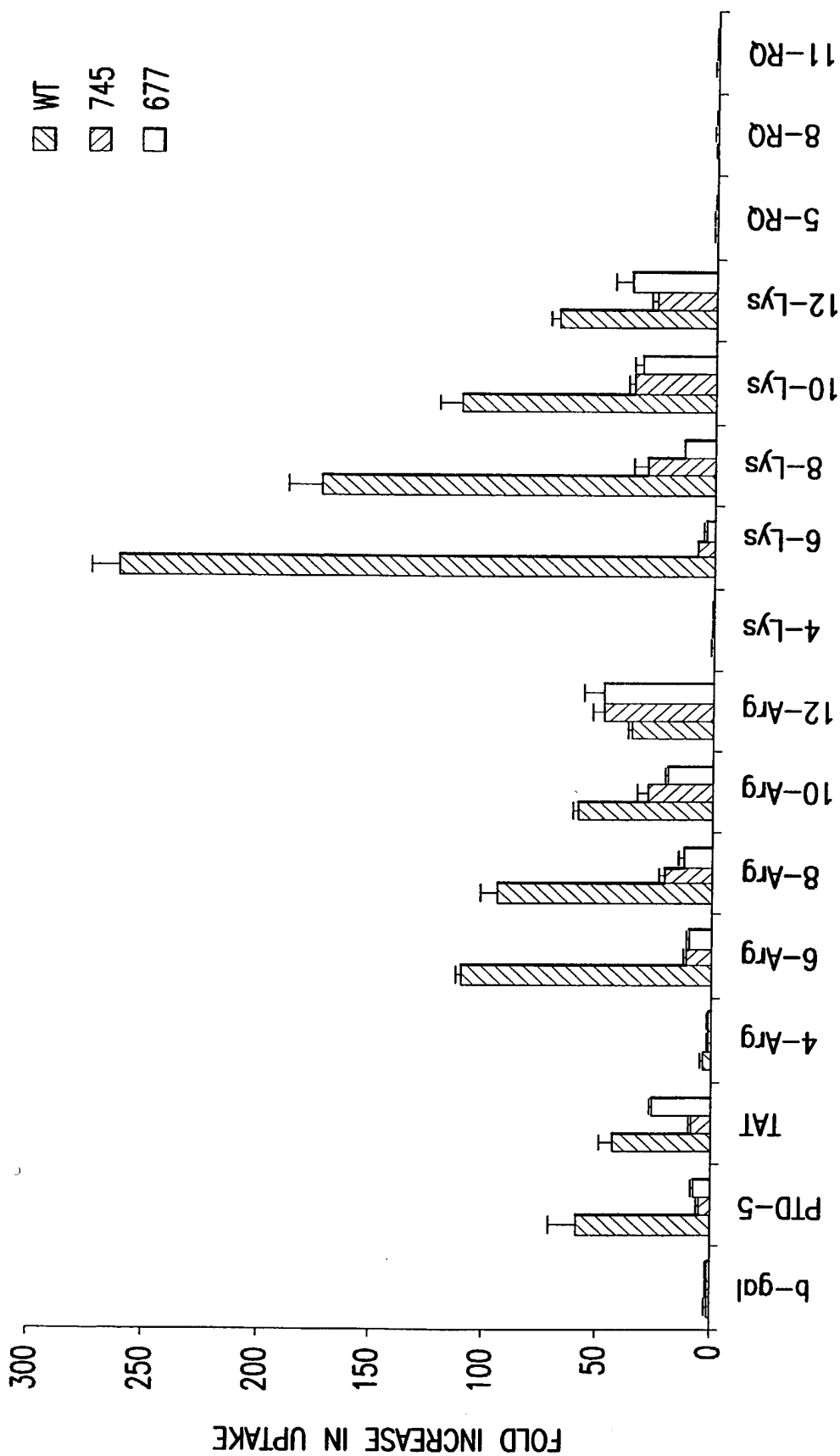


FIG. 36



10075869 .097302

53/66

INCUBATION WITH DEXTRAN SULFATE ENHANCES UPTAKE OF 6-LYSINE-
 β -GALACTOSIDASE COMPLEXES IN HS & GAG-DEFICIENT, BUT NOT WT CHO CELLS

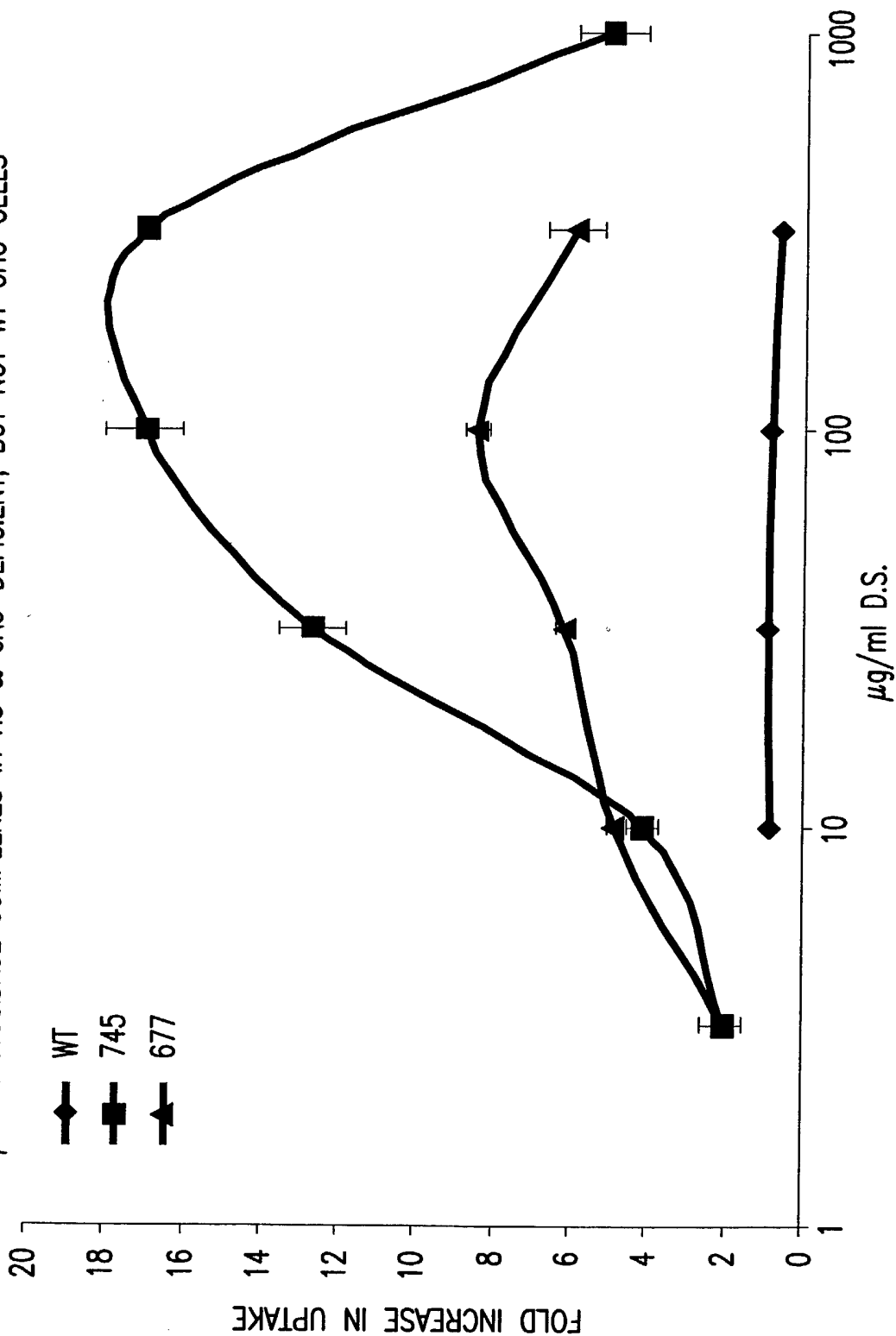


FIG. 37



10075865 .090302

INCUBATION WITH DEXTRAN SULFATE OR PROTAMINE SULFATE, BUT
NOT HEPARAN SULFATE, IS ABLE TO ENHANCE
6-LYSINE- β -GALACTOSIDASE UPTAKE IN CHO 745 CELLS

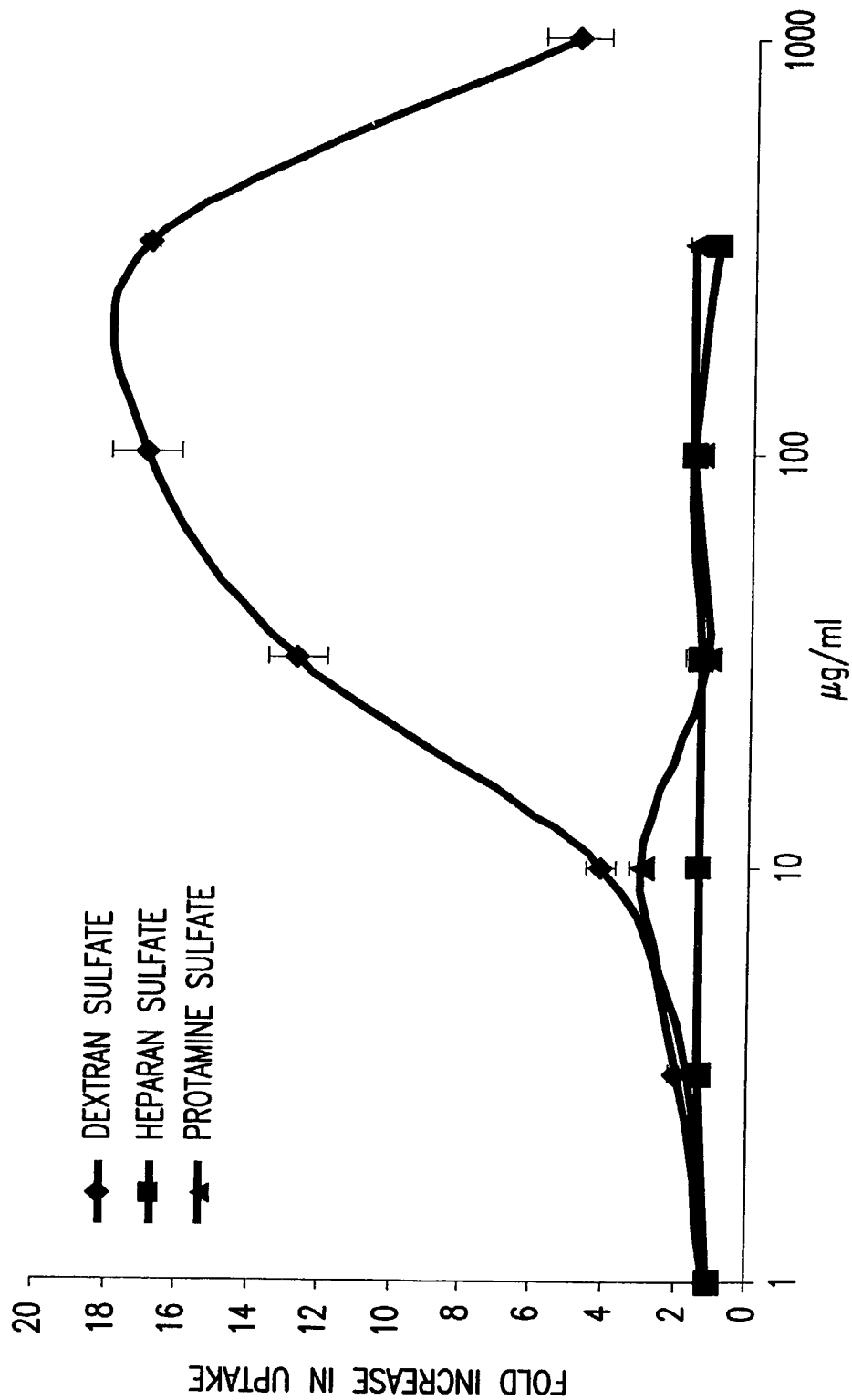


FIG. 38



10075569.090302

PRE-INCUBATION WITH 32 μ g/ml DEXTRAN SULFATE ENHANCES UPTAKE OF
CATIONIC PEPTIDE- β -GALACTOSIDASE COMPLEXES IN CHO 745 CELLS

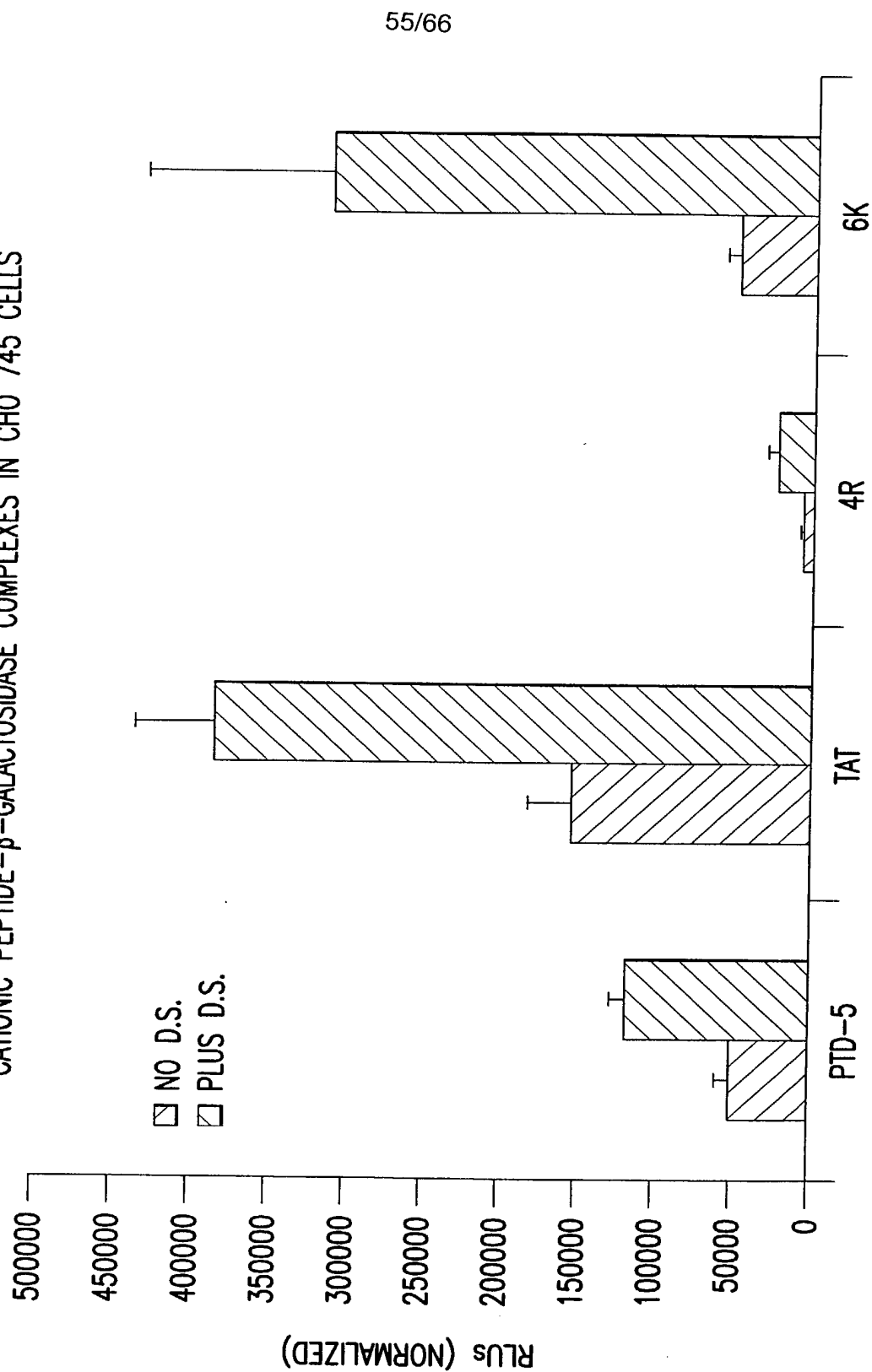


FIG. 39



1.0075569 . 090307

56/66

INCUBATION WITH 50 μ g/ml NYSTATIN OR 5 μ g/ml FILIPIN III
REDUCES UPTAKE BY PEPTIDE- β -GALACTOSIDASE COMPLEXES

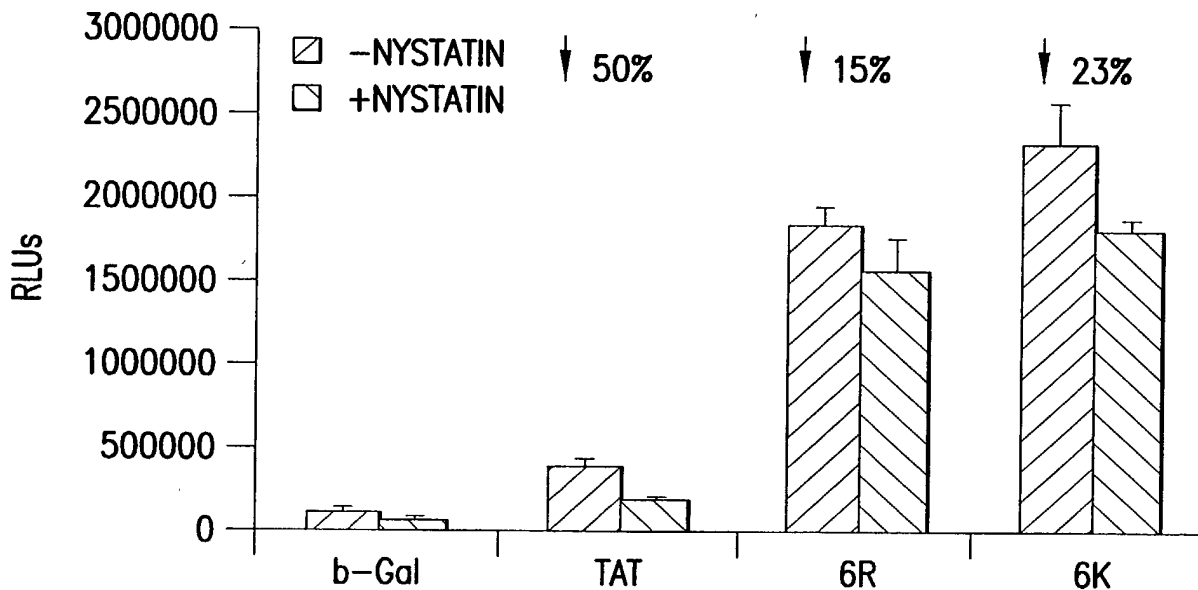


FIG. 40A

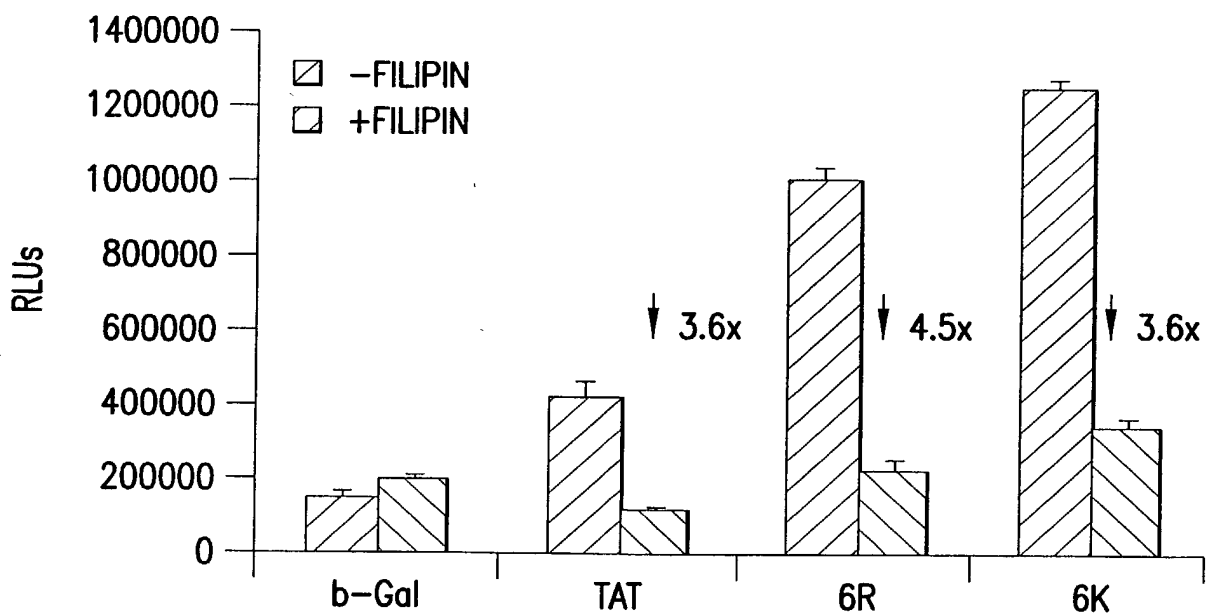


FIG. 40B

57/66

APPROACHES FOR PEPTIDE-MEDIATED INHIBITION OF NF- κ B

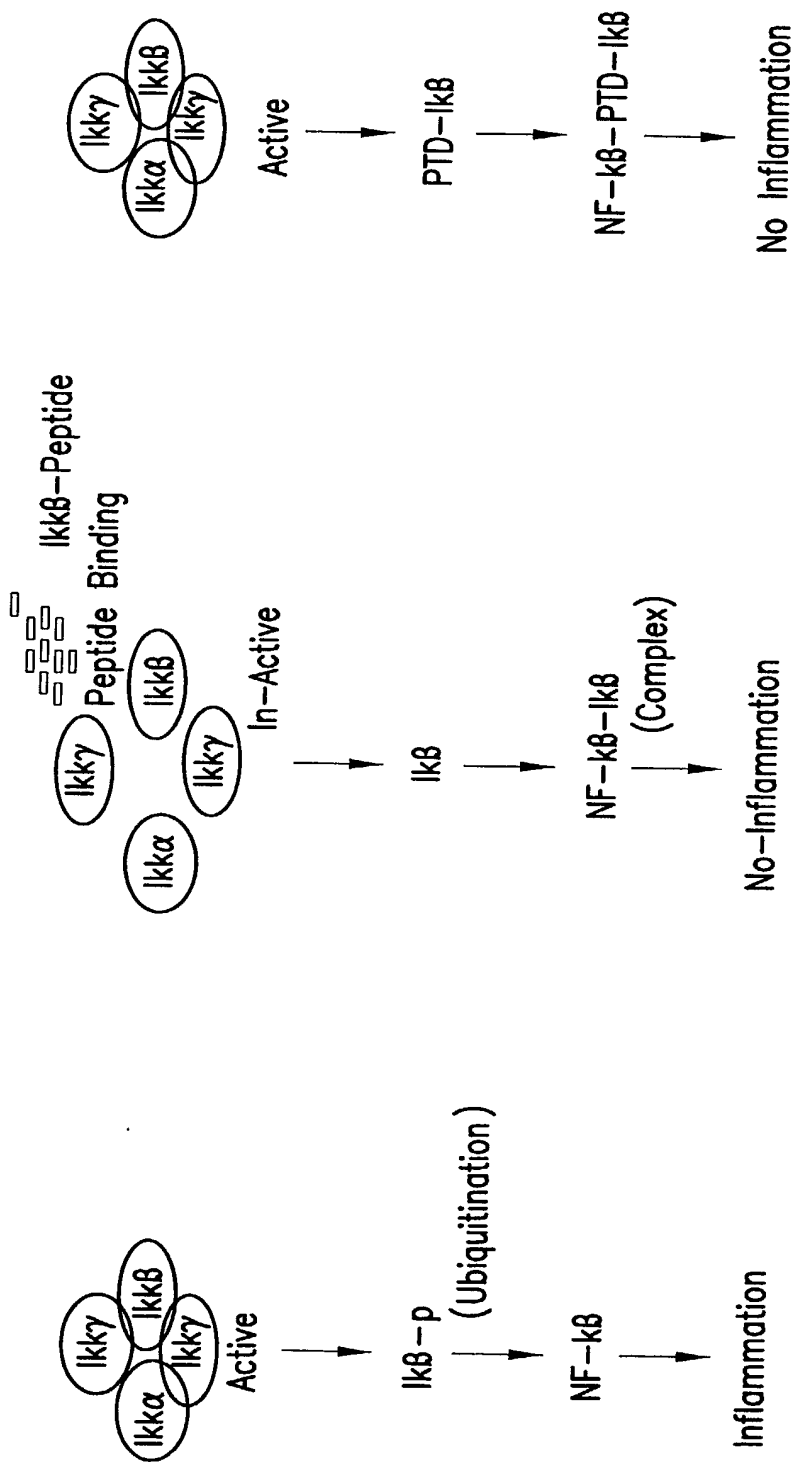
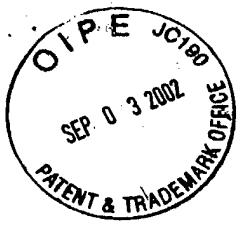


FIG. 41



11075869 . 000302

58/66

INSULIN RESPONSE TO GLUCOSE AFTER MOUSE ISLET
INCUBATED WITH PEPTIDES AND IL-1 β

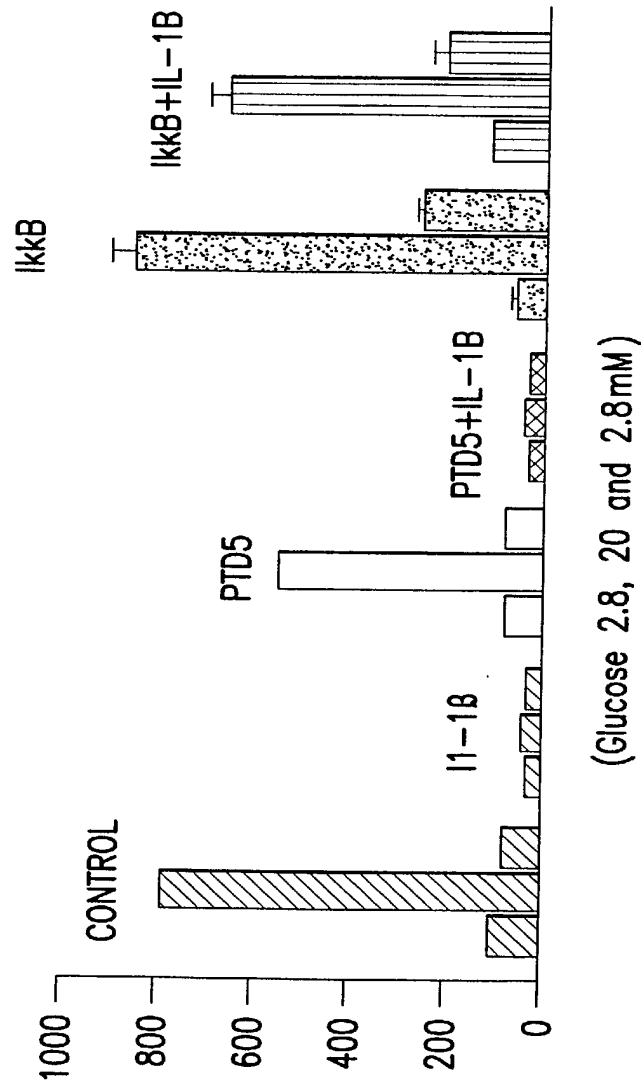


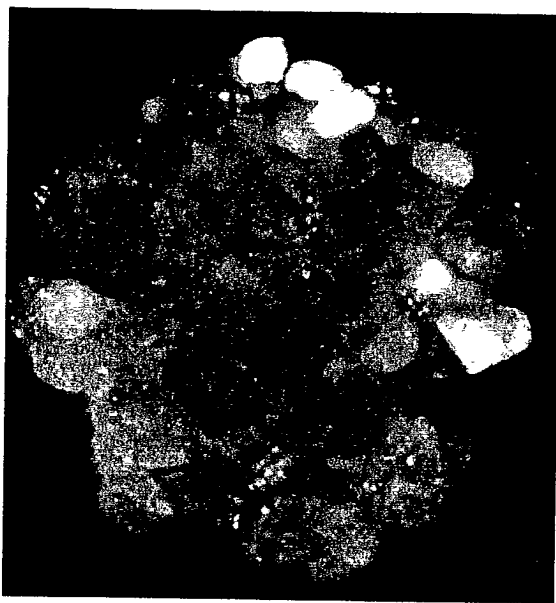
FIG. 42



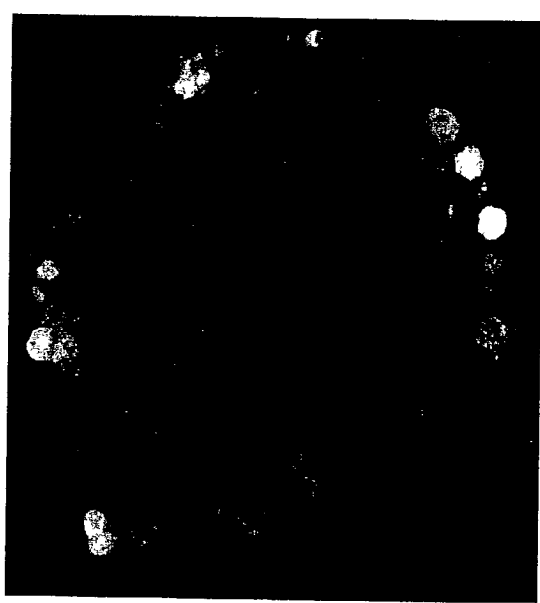
10075659 . 09030F

59/66

Transduction of Peptide Ikk β During Mouse Islet Isolation



PTD5-FITC



TAT(PTD4)-FITC

FIG.43



10075867, 000307

60/66

TRANSDUCTION OF PEPTIDE INTO β -CELLS
DURING MOUSE ISLET-ISOLATION

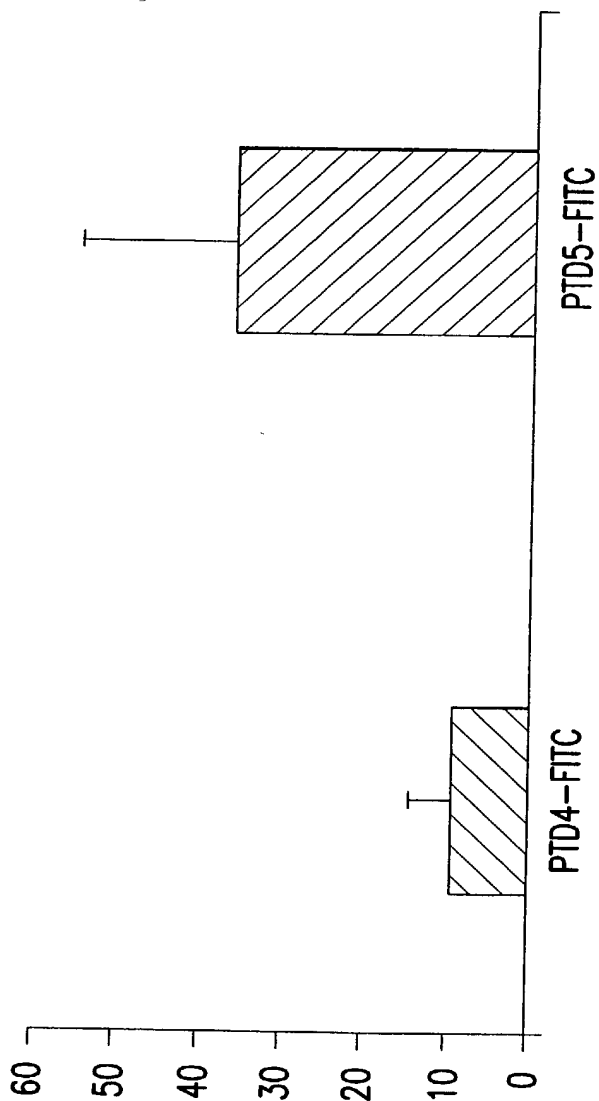


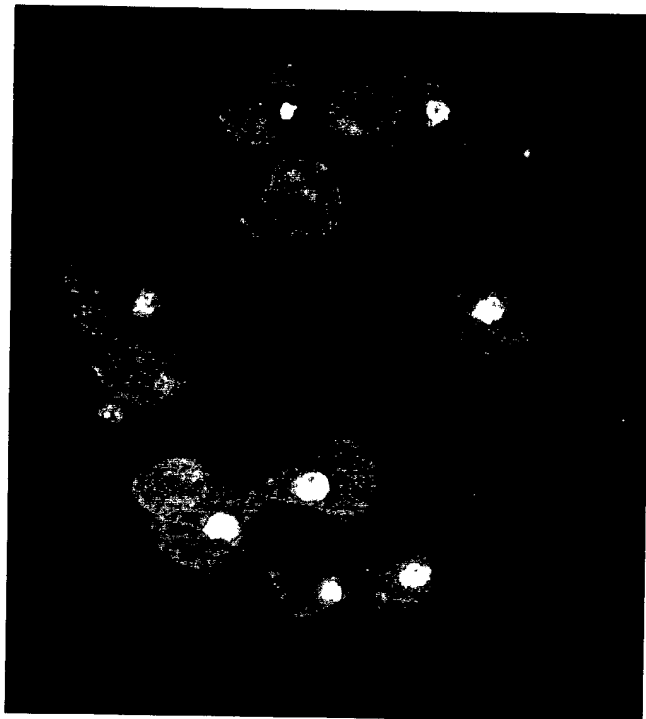
FIG. 44



1.0075669, 1.0075672

61/66

Transduction of Fusion Protein During Mouse Islet Isolation



PTD5-eGFP



eGFP

FIG. 45



10075665 . 090307

62/66

Viability of Mouse Islets Isolated with Peptides

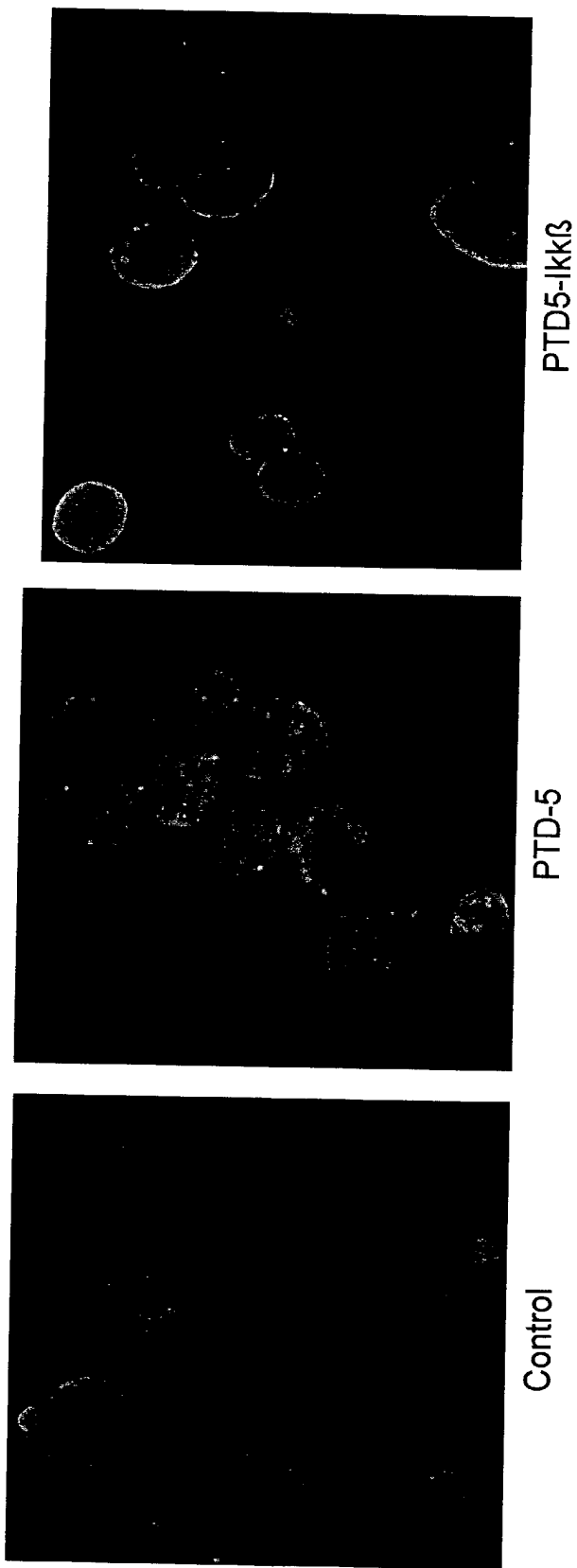


FIG. 46



1.0075867 . 090.302

63/66

PROTECTION OF MOUSE ISLETS DURING ISOLATION
PROCEDURE BY PTD-I κ k β TRANSFER

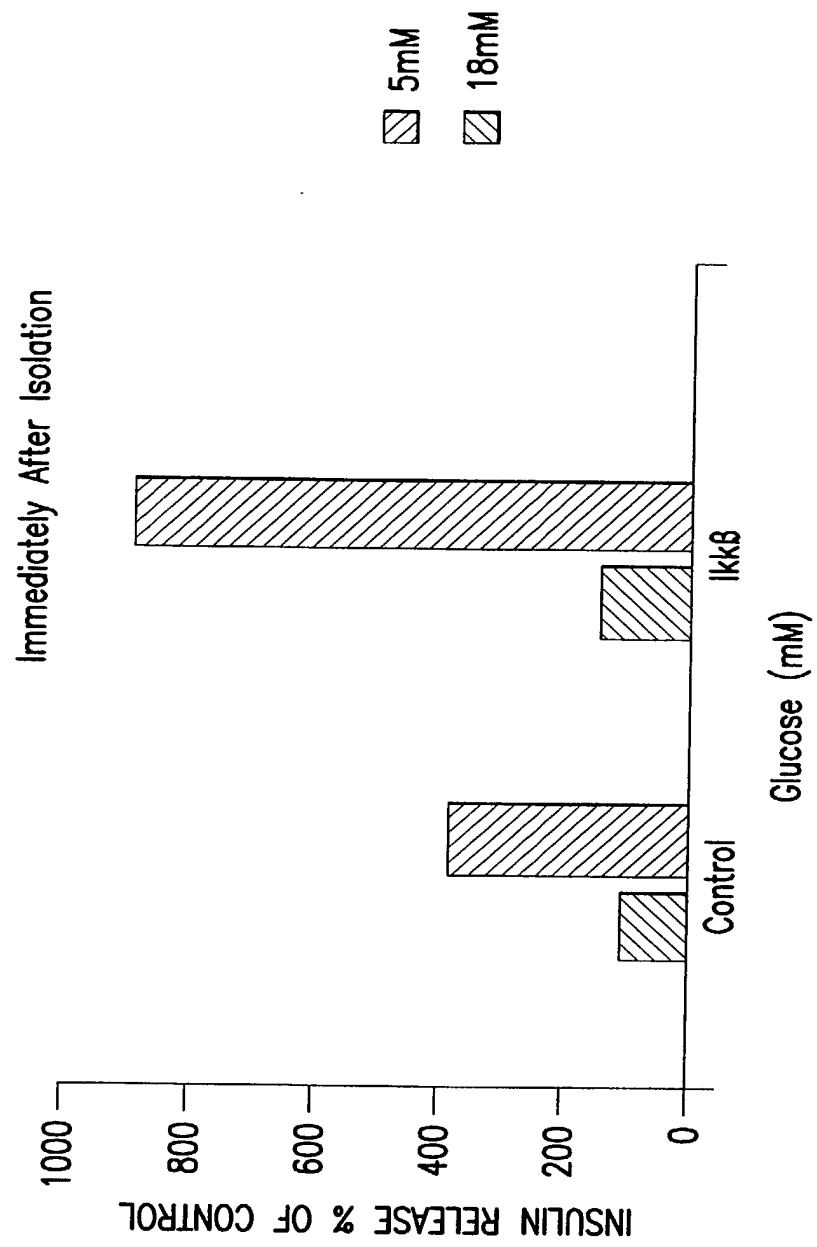


FIG. 47



10075860 . 090202

64/66

INSULIN RESPONSE TO GLUCOSE 12-16Hrs. AFTER
MOUSE ISLET ISOLATION WITH PEPTIDES

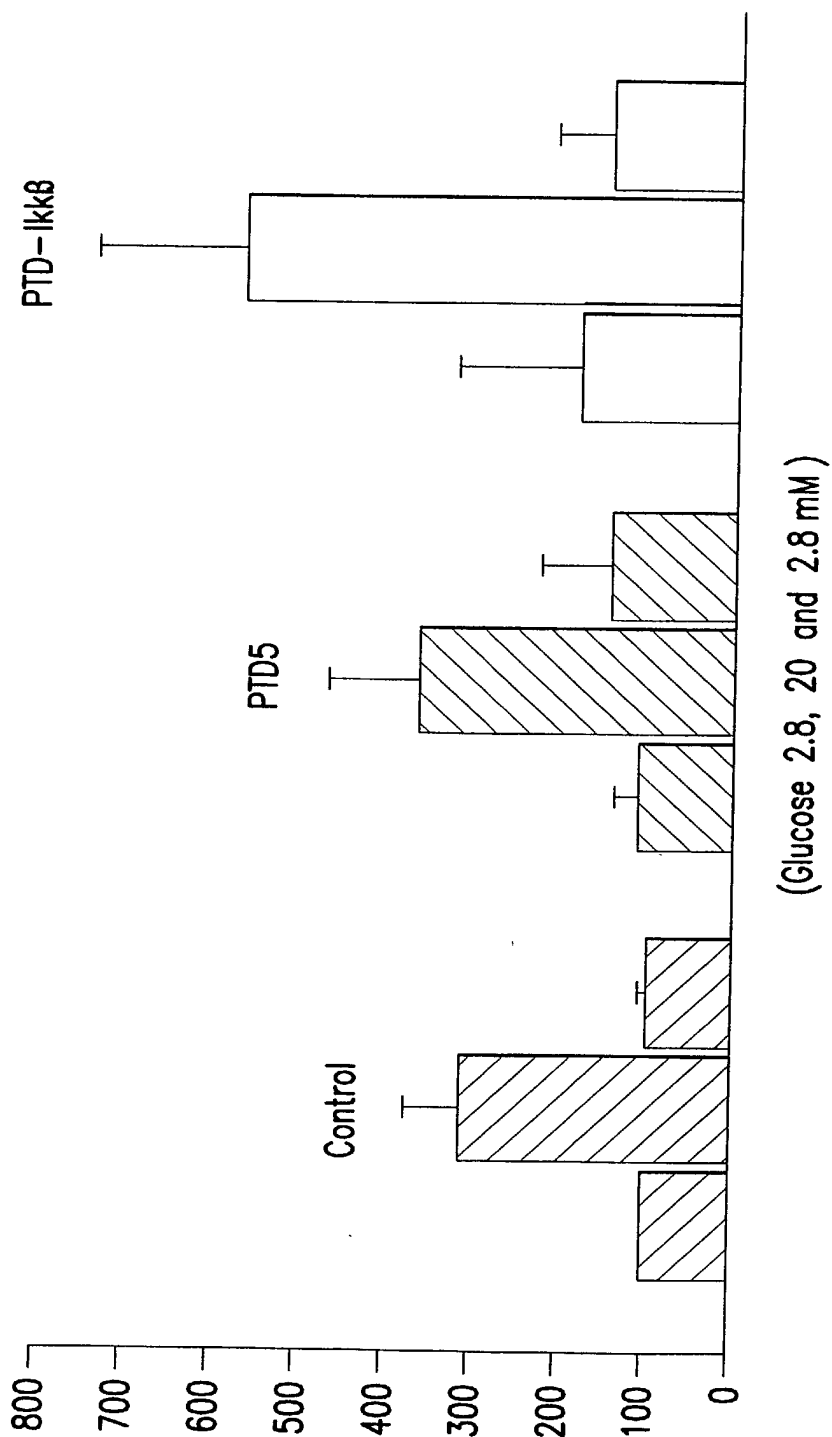


FIG. 48



10075859, 10075860

65/66

PTD-5-FITC Transduction to Human Islets



FIG.49



66/66

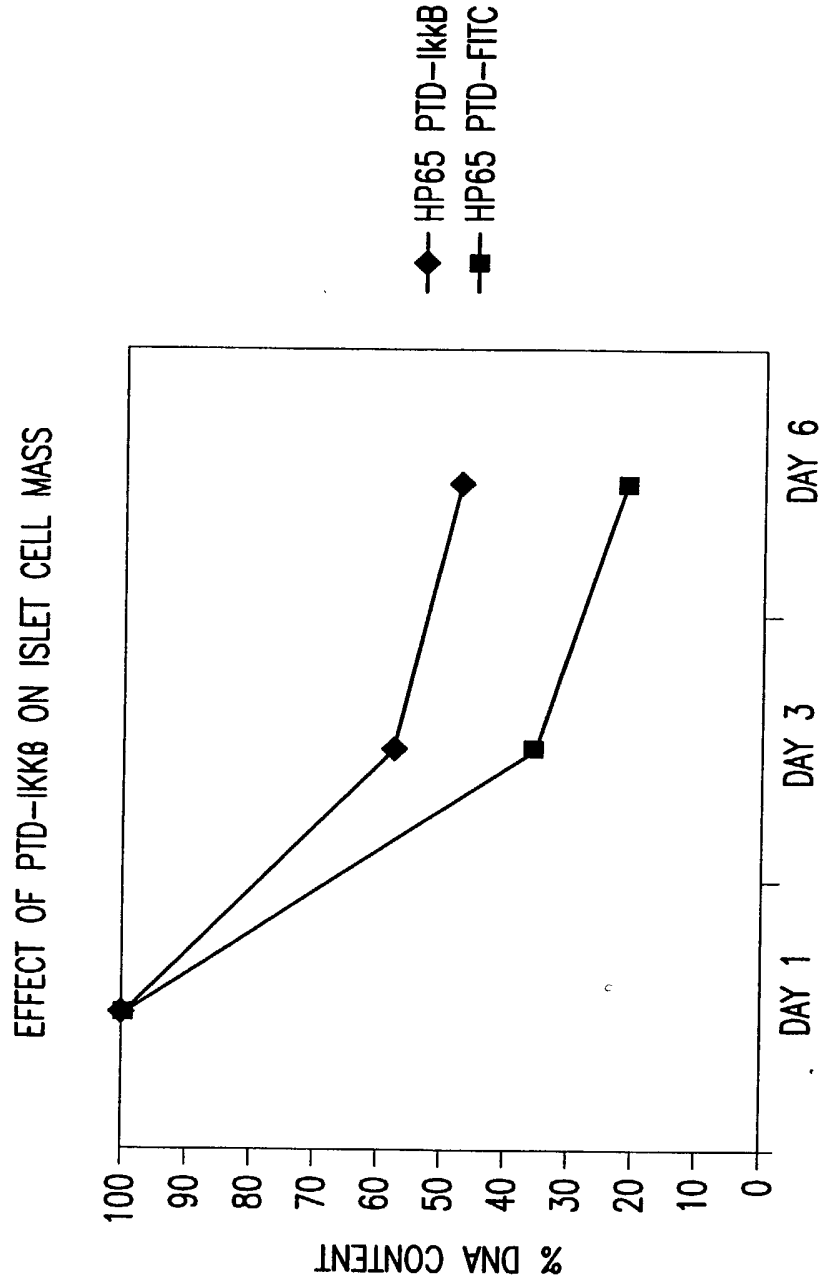


FIG. 50